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**CATALOGUE
OF THE MUTILLIDAE
(HYMENOPTERA) OF THE
PALAEARCTIC REGION**



Vladivostok
Dalnauka
2002

РОССИЙСКАЯ АКАДЕМИЯ НАУК
ДАЛЬНЕВОСТОЧНОЕ ОТДЕЛЕНИЕ
БИОЛОГО-ПОЧВЕННЫЙ ИНСТИТУТ

А. С. Лелей

**КАТАЛОГ ОС-НЕМОК
(HYMENOPTERA, MUTILLIDAE)
ПАЛЕАРКТИЧЕСКОЙ ОБЛАСТИ**



Владивосток
Дальнаука
2002

УДК 595.794.21(4-013) : 019

Лелей А. С. Каталог ос-немок (Hymenoptera, Mutillidae) Палеарктической области. – Владивосток: Дальнаука, 2002. – 171 с.

Книга является первым каталогом ос-немок Палеарктики. За 250-летнюю историю интенсивных исследований ос-немок Палеарктики для 523 видов, 31 подвида, 47 вариетов и форм было предложено 968 номинальных названий. Описанные таксоны видового и подвидового ранга классифицированы по 9 подсемействам, 8 трибам и 54 родам. Для каждого названия дается ссылка на первоначальное описание, кроме того для родовых - типовой вид и способ его фиксации, для видовых и инфраподвидовых – синонимия и детальное распространение по странам. Даны определительные таблицы подсемейств, триб и родов; описан 1 новый род, предложено 1 новое название взамен преоккупированного, обозначены лектотипы для 5 видов и подвидов, синонимизировано 42 видовых и инфраподвидовых названия.

Библ. 470 назв., илл. 81, табл. 1.

Lelej A. S. Catalogue of the Mutillidae (Hymenoptera) of the Palaearctic region. – Vladivostok: Dalnauka, 2002. – 171 p.

This book is the first catalogue of the Mutillidae of the Palaearctic region. During 250 years of extensive work, 968 nominal names have been proposed for 523 species, 31 subspecies, and 47 varieties and forms of Palaearctic Mutillidae. The described specific and infraspecific taxa are classified into nine subfamilies, eight tribes and 54 genera. Primary citing is given for each name, additionally for generic names – fixation of the type species; for specific and infraspecific names – synonymy and detail distribution. Keys to the Palaearctic subfamilies, tribes and genera are given. One new genus is described, and one new name is proposed for preoccupied one. Lectotypes are designated for five species and subspecies. Forty-two specific and infraspecific names are synonymized. References include 470 titles.

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ПРЕДИСЛОВИЕ

Настоящая работа готовилась, как раздел для серии Catalogue of Palaearctic Hymenoptera, начиная с 1985 г., однако, в связи с прекращением этого проекта, была временно приостановлена и завершена в последние годы.

Содержание, структура и форма настоящего каталога соответствуют инструкции для Catalogue of Palaearctic Hymenoptera (Papp, 1985; инструкция и личн. сообщ.). Южная граница Палеарктики взята из той же инструкции, основанной на принятых границах в Catalogue of Palaearctic Diptera (Soós, Papp, 1988) и проходит в Африке и Аравийскому полуострову по тропику Рака, затем по западной границе Пакистана поднимается на север и по границе Индии спускается до 30° с.ш. В Китае и Японии южная граница Палеарктики проходит по 30° с.ш. Для более детального распространения таксонов внутри Палеарктики использованы акронимы стран, рекомендованные в Catalogue of Palaearctic Diptera (Soós, Papp, 1988) и дополненные мною, с учетом политических изменений за последние десятилетия (см. ниже). Для отдельных стран распространение видовдается по крупным географическим регионам, краям и областям (Россия), островам (Япония) и провинциям (Китай).

Описанные таксоны видового и подвидового ранга классифицированы и каталогизированы по 9 подсемействам, 8 трибам и 54 родам. Подсемейства расположены по системе и завершаются группой видов неясного систематического положения (*Mutillidae incertae sedis*). Для удобства пользования роды внутри подсемейств и триб, подроды внутри родов и виды внутри родов расположены по алфавиту, а синонимы внутри вида – по хронологии. Валидные подвиды и несинонимизированные вариететы и формы, даются внутри видовой группы, по типу синонимов. Валидные названия в заголовках и начале абзаца даны **жирным** шрифтом, синонимы – *курсивом*; внутри текста родовые и видовые названия выделены *курсивом*. В квадратных скобках даны виды вне Палеарктики. Для каждого названия дается ссылка на первоначальное описание, кроме того для родовых – типовой вид и способ его фиксации, для видовых и инфраподвидовых – синонимия и детальное распространение по странам. С учетом значимости такого типа работ, как каталог, рабочим языком выбран английский.

Работа по изучению ос-немок была предложена мне профессором П.А. Лером, которому я бесконечно благодарен за постоянное внимание к ней и поддержку. Многие коллеги щедро делились со мной своими сборами и материалами и я сердечно благодарю их. Я искренне признателен кураторам коллекций Зоологического института РАН, Санкт-Петербург (В.И. Тобиас) и Зоологического музея Московского государственного университета (Е.М. Антонова, А.В. Антропов), которые позволили изучить старейшие и богатейшие коллекции ос-немок в России, а также И.М. Кержнеру за многочисленные советы и консультации по номенклатуре. Особенно я благодарен С.Ю. Стороженко, взявшему на себя труд редактирования книги.

PREFACE

In 1985, I started preparing this catalogue as a section for the Catalogue of Palaearctic Hymenoptera. Later the project for the Catalogue of Hymenoptera was abandoned, and my work was delayed. I recently finished listing scientific names of the Mutillidae of the Palaearctic region for this catalogue.

The content, structure and form of this catalogue follow the circular for the Catalogue of Palaearctic Hymenoptera (Papp, 1985; pers. comm.). The southern border of the Palaearctic region follows the same circular based on the Catalogue of Palaearctic Diptera (Soós, Papp, 1988). In North Africa and the Arabian Peninsula the border extends in the Sahara along the Tropic of Cancer and joins the south-western confines of Pakistan, then follows Central Asia by the western and northern political borders of Pakistan and by the Indian border southwards up to 30° North Latitude and by Northern Latitude 30° in China and Japan.

For detailed distribution within the Palaearctic, consult the acronyms proposed by the Catalogue of Palaearctic Diptera (Soós, Papp, 1988). In this catalogue, I added some acronyms according to political changes in the last decades (see below). Distributions are shown by region and administrative area for Russia (Fig. 1), by islands for Japan, and by provinces for China (Fig. 2).

I thank Prof. V.I. Tobias (Zoological Institute, St. Petersburg), Dr. A.V. Antropov (Zoological Museum of Moscow State University), Dr. Sk. Yamane (Kagoshima University, Japan), Dr. A. Shinozawa [National Science Museum (Nat. Hist.), Tokyo], M. Dylewska (Krakow, Poland), G. Pagliano (Museo Regionale di Scienze Naturali, Torino, Italy), P. Lo Cascio (Museo Zoologico "La Specola", Firenze, Italy), T. Osten (Staatliches Museum für Naturkunde in Stuttgart, Germany) for kindly loaned specimens. N.V. Kurzenko, P.A. Lehr, V.L. Kazenas, I.K. Lonatin, G.S. Medvedev, O.N. Kabakov, G.V. Nikolayev, S.A. Belokobylskij, V.N. Kuznetsov, M.A. Nesterov and many other entomologists kindly gifted material. I am much indebted many colleagues who generously provided me with valuable exchange material: late Dr. F.J. Suárez (Spain), late Prof. G. Nonveiller (Yugoslavia), late Dr. B. Petersen (Denmark), Dr. D.J. Brothers (South Africa, Pietermaritzburg), Prof. K.V. Krombein (Washington, USA), Prof. R.M. Bohart (Davis, USA), Dr. M. Fritz (Salta, Argentina), Dr. G. Pagliano (Torino, Italy), Y. Haneda (Ono, Japan), Dr. D.A. Quintero (Panama). G. Pagliano, G.F. Turrisi (Catania, Italy), and T. Osten provided me by valuable references. I thank Prof. A.P. Rasnitsyn (Paleontological Institute, Moscow) for the critical comments on mutillid phylogeny and help in study of fossil Mutillidae including *Cretavus*, Dr. N. Minakawa (Japan) and D. Bennett (Lawrence, USA), for the valuable comments on manuscript and improving of English. Special thanks to reviewer N.V. Kurzenko (Institute of Biology and Soil Science, Vladivostok) and S.A. Belokobylskij (Zoological Institute, St. Petersburg). I much indebted Dr. S. Yu. Storozhenko (Institute of Biology and Soil Science, Vladivostok) for the editing of manuscript.

Explication to distribution

EUROPE (excluding Russia)

A	– Austria	IRE	– Ireland
AL	– Albania	LA	– Latvia
B	– Belgium	LI	– Lithuania
BE	– Belarus	M	– Malta
BG	– Bulgaria	MO	– Moldova
BH	– Bosnia–Herzegovina	N	– Norway
CH	– Switzerland	NL	– Netherlands
CZ	– Czechia	P	– Portugal
D	– Germany	PL	– Poland
DK	– Denmark	R	– Romania
E	– Spain	S	– Sweden
EST	– Estonia	SF	– Finland
F	– France	SL	– Slovakia
GB	– United Kingdom	TR	– Turkey (European part)
GR	– Greece	U	– Ukraine
H	– Hungary	YU	– Yugoslavia
I	– Italy		

Other European countries, which mentioned in current Catalogue are given without abbreviation: Croatia, Macedonia, Slovenia.

RUSSIA (see Fig. 1)

NET	– North European territory, north of 60° North Latitude
CET	– Central European territory, limited by 60° North Latitude in the north and by 52° in the south
SET	– South European territory, south of 52° North Latitude
WS	– Western Siberia, limited by watershed of the Urals in the west and by the river Yenisei in the east
ES	– East Siberia, limited by the river Yenisei in the west and by the border of Magadanskaya oblast, Khabarovskii krai, and Amurskaya oblast in the east
FE	– Far East, limited by the border of Magadanskaya oblast, Khabarovskii krai, and Amurskaya oblast in the west

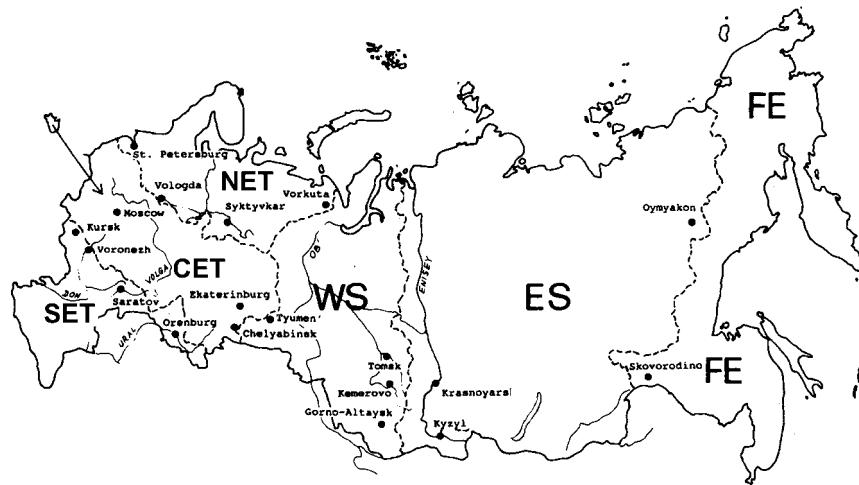


Fig. 1. Subdivision of Russia (abbreviations on page 7). (From: Aukema, Rieger, 2001, with some corrections).



Fig. 2. Subdivision of China (From: Aukema, Rieger, 2001). NW – North-western Territory, NO – Northern Territory, NE – North-eastern Territory, WP – the Western Plateau, SW – South-western Territory, CE – Central Territory, SE – South-eastern Territory.

ASIA (excluding Russia)

ARM	– Armenia
AZ	– Azerbaijan
CY	– Cyprus
GE	– Georgia
KY	– Kyrgyzstan
KZ	– Kazakhstan (including European part)
TJ	– Tajikistan
TR	– Turkey (Asian part)
TU	– Turkmenistan
UZ	– Uzbekistan

Other Asian countries which mentioned in current Catalogue are given without abbreviation: Arabic states (North of the Tropic of Cancer), Lebanon, Syria, Jordan*, Israel*, Oman, Iraq, Iran, Afghanistan, Mongolia, Korea, China North of 30° North Latitude, Japan North of 30° North Latitude.

NORTH AFRICA (North of tropic Cancer)

Canary Is.
Western Sahara
Morocco
Algeria
Tunisia
Libya
Egypt

*As type localities or distribution points, the name Palestina (Palestine) is written without any attributes. When, in the case of actual locality names, it can be ascertained that they lie in Israel or in Jordan, they are listed under the name of the respective country. The same consideration applies to Jerusalem.

INTRODUCTION

This book is the first catalogue of Mutillidae of the Palaearctic region. During almost 250 (1758–2002) years of extensive work by 74 entomologists, 968 nominal names have been proposed for 523 species, 31 subspecies and 47 varieties and forms of Palaearctic Mutillidae. The described specific and infraspecific taxa are classified into nine subfamilies, eight tribes and 54 genera.

The history of described taxa by decade is given in Fig. 3; increasing sum of valid names as synonyms and invalid names is shown in Fig. 4. The contribution of 74 senior authors for the description of taxa is given in Fig. 5. Among 968 nominal names, 31 infraspecific names are invalid, and 336 specific and infraspecific names have been synonymized by 25 senior authors (Fig. 6). Table 1 and Figure 7 indicate the distribution of nominal names among nine subfamilies and four tribes of subfamily Mutillinae as *Mutillidae incertae sedis*. The distribution of 523 species among the subfamilies is given in Fig. 8. One hundred fifty-one mutillid species are known in Europe, 306 species in Palaearctic Asia and 156 species in North Africa. Fifty-six mutillid species are recorded from Russia. The same number of species is known from Palaearctic China (north of 30° North Latitude).

The subfamilies, and tribes are given in systematic order and ended by *Mutillidae incertae sedis*. The genera, and species are given in alphabetical order. The synonyms within species are given in chronology. Valid subspecies and not synonymized varieties and forms within species-groups are given as synonym style.

All valid names in the heads and beginning of paragraphs are given in **bold**, the synonyms and invalid names – in *italic*; generic and specific names within paragraphs are given in *italic*. Species outside the Palaearctic region are given in square brackets. Primary citing is given for each name, additionally for generic names – fixation of the type species; for specific and infraspecific names – synonyms and detailed distribution data.

In this Catalogue I used the classification of Mutillidae based on a recent phylogenetic system (Fig. 9) (Lelej, Nemkov, 1997). Our classification and phylogeny differ essentially from Brothers' (1975, 1999). I divided the family Mutillidae into ten subfamilies, four of them (Myrmosinae, Kudakrumiinae, Pseudophotopsidinae, and Ticoplinae) belong to lowest mutillids, another six to higher mutillids. Higher Mutillidae diverged in two branches: 1) female mesosoma with concave mesopleurae, more or less a rectangle and the propodeum wider than mesonotum (Myrmillinae + Mutillinae); 2) female mesosoma with convex mesopleurae and with the mesonotum much wider than the propodeum (Rhopalomutillinae + Dasylabrinae + Ephutinae + Sphaeropthalminae). The classification of Palaearctic Mutillidae for subfamily, tribe and generic levels is as follows.

Family MUTILLIDAE Latreille, 1802

I. Subfamily MYRMOSINAE Fox, 1894

1. *Carinomyrmosa* Lelej, 1981
2. *Erimyrmosa* Lelej, 1984
3. *Krombeinella* Pate, 1947
4. *Myrmosa* Latreille, 1796
5. *Paramyrmosa* Saussure, 1880

II. Subfamily KUDAKRUMIINAE Krombein, 1979

6. *Protomutilla* Bischoff, 1916
7. *Pseudomyrmosa* Suárez, 1980

III. Subfamily PSEUDOPHOTOPSIDINAE Bischoff, 1920

8. *Pseudophotopsis* André, 1896

IV. Subfamily TICOPLINAE Nagy, 1970

Tribe Ticoplini Nagy, 1970

9. *Nanomutilla* André, 1900
- Tribe Smicromyrmillini Argaman, 1988
10. *Smicromyrmilla* Suárez, 1965

V. Subfamily MYRMILLINAE Bischoff, 1920

11. *Bischoffitilla* Lelej, **gen. n.**
12. *Blakeius* Ashmead, 1903
13. *Liomyrmilla* André, 1907
14. *Myrmilla* Wesmael, 1852
15. *Myrmotilla* Bischoff, 1920
16. *Odontotilla* Bischoff, 1920
17. *Platymyrmilla* André, 1900
18. *Sigilla* Skorikov, 1927
19. *Spilomyrmilla* Ashmead, 1903

VI. Subfamily MUTILLINAE Latreille, 1802

Tribe Mutillini Latreille, 1802

20. *Ctenotilla* Bischoff, 1920
21. *Macromyrme* Lelej, 1984
22. *Mutilla* Linnaeus, 1758
23. *Nanomyrme* Lelej, 1977
24. *Ronisia* Costa, 1858
25. *Spinulotilla* Bischoff, 1920
26. *Tropidotilla* Bischoff, 1920

Tribe Smicromyrmini Bischoff, 1920

27. *Andreimyrme* Lelej, 1995
 28. *Dentilla* Lelej, 1980
 29. *Ephutomma* Ashmead, 1899
 30. *Mickelomyrme* Lelej, 1995
 31. *Nemka* Lelej, 1985
 32. *Nuristanilla* Lelej, 1980
 33. *Physetopoda* Schuster, 1949
 34. *Promecilla* André, 1903
 35. *Sinotilla* Lelej, 1995
 36. *Skorikovia* Ovchinnikov, 2002
 37. *Smicromyrme* Thomson, 1870

Tribe Petersenidiini Lelej, 1996

38. *Artiotilla* Invrea, 1950
 39. *Orientidia* Lelej, 1996
 40. *Taiwanomyrme* Tsuneki, 1993

Tribe Trogaspidiini Bischoff, 1920

41. *Eotrogaspidia* Lelej, 1996
 42. *Glossotilla* Bischoff, 1920
 43. *Lobotilla* Bischoff, 1920
 44. *Neotrogaspidia* Lelej, 1996
 45. *Radoszkowskius* Ashmead, 1903
 46. *Trogaspidia* Ashmead, 1899

VII. Subfamily SPAEROPHTHALMINAE Schuster, 1949(1903)

Tribe Sphaeropthalmini Schuster, 1949(1903)

47. *Cystomutilla* André, 1896

VIII. Subfamily DASYLABRINAЕ Skorikov, 1935

48. *Dasylabris* Radoszkowski, 1885
 49. *Jaxartilla* Lelej, 1984
 50. *Orientilla* Lelej, 1979
 51. *Stenomutilla* André, 1896
 52. *Tricholabiodes* Radoszkowski, 1885

IX. Subfamily EPHUTINAE Ashmead, 1903

Tribe Odontomutillini Lelej, 1983

53. *Odontomutilla* Ashmead, 1899
 54. *Yamanetilla* Lelej, 1996

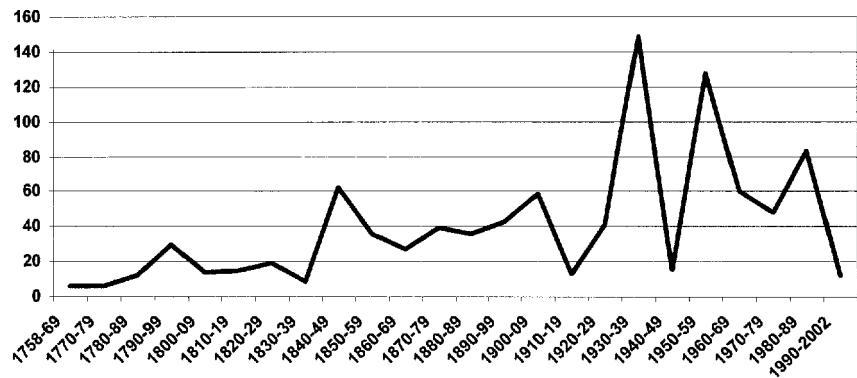


Fig. 3. Palaearctic Mutillidae: History of described specific and infraspecific taxa by decades (1758-2002 – 968 nominal names).

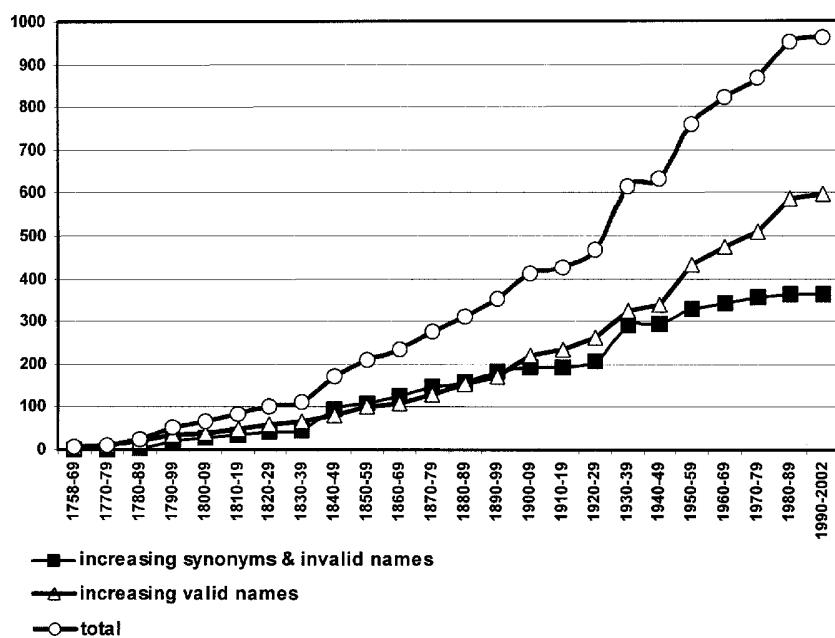


Fig. 4. Palaearctic Mutillidae: History of described specific and infraspecific taxa by decades (1758-2002 – 968 nominal names).

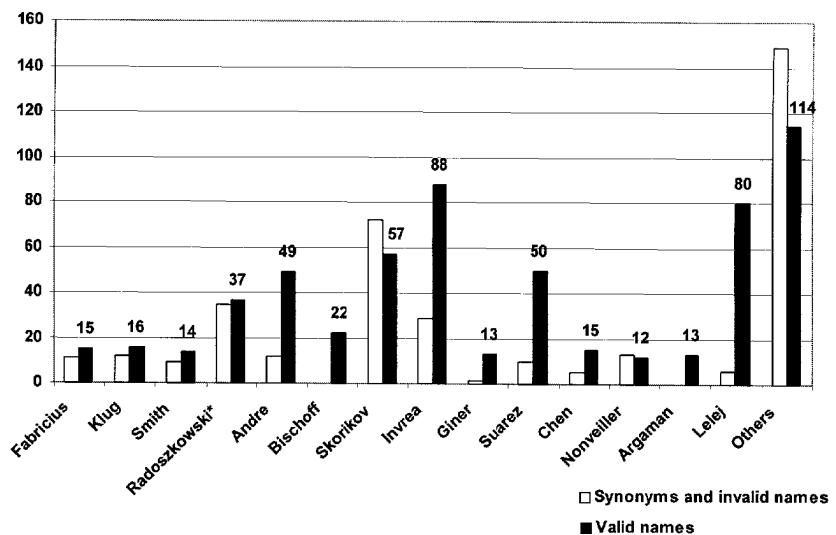


Fig. 5. Palaearctic Mutillidae: History of described specific and infraspecific taxa by 74 authors (1758-2002 – 968 nominal names). * – including taxa described by Sichel, Radoszkowski (1869-70).

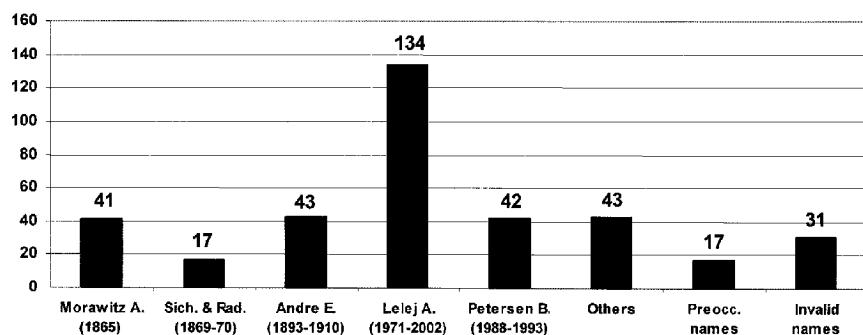


Fig. 6. Palaearctic Mutillidae: History of synonymized specific and infraspecific taxa by 25 authors (1758-2002 – 367 synonyms and invalid names).

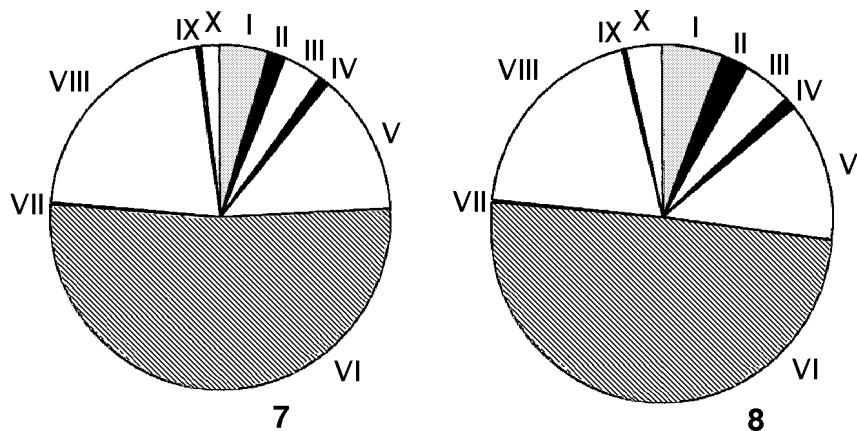


Fig. 7, 8. Palaearctic Mutillidae: 7 - distribution of 968 nominal specific and infraspecific names among nine subfamilies and *Mutillidae incertae sedis*; 8 - distribution of 523 described valid species among nine subfamilies and *Mutillidae incertae sedis*. I – *Myrmosinae*, II – *Kudakrumiinae*, III – *Pseudophotopsidinae*, IV – *Ticoplinae*, V – *Myrmillinae*, VI – *Mutillinae*, VII – *Sphaeropthalminae*, VIII – *Dasylabrinae*, IX – *Ephutinae*, X – *Mutillidae incertae sedis*.

Table 1
**Distribution of 968 nominal specific and infraspecific names
of Palaearctic Mutillidae among the subfamilies**

Subfamilies and tribes	Synonyms and invalid names	Valid names			Total
		Varieties and forms	Subspecies	Species	
I. Myrmosinae	13	1	1	31	46
II. Kudakrumiinae	2	0	0	13	15
III. Pseudophotopsidinae	14	0	0	24	38
IV. Ticoplinae	0	0	1	6	7
V. Myrmillinae	58	3	1	68	130
VI. Mutillinae	190	33	19	256	498
Mutillini	59	7	4	31	101
Smicromyrmini	109	24	14	191	338
Petersenidiini	4	0	0	5	9
Trogaspidiini	18	2	1	29	50
VII. Sphaeropthalminae	2	0	0	2	4
VIII. Dasylabrinae	88	10	9	103	210
IX. Ephutinae	0	0	0	3	3
X. <i>Mutillidae incertae sedis</i>	0	0	0	17	17
Total	367	47	31	523	968

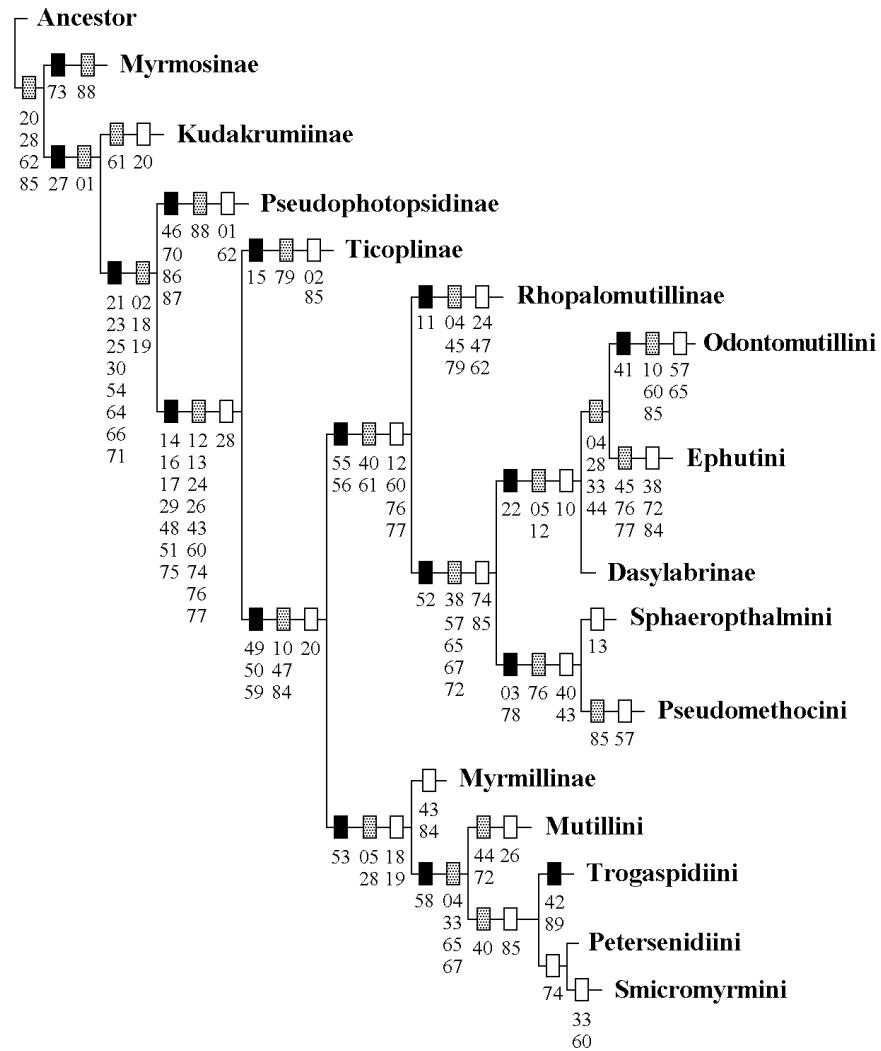


Fig. 9. Cladogram of relationships for the fifteen higher taxa of Mutillidae and Ancestor as outgroup generated by the program PAUP and based on 71 characters (length = 196 steps, CI = 0.62, RI = 0.81, HI = 0.38). Mutillini + Trogaspidiini + Petersenidiini + Smicromyrmini = Mutillinae; Odontomutillini + Ephutini = Ephutinae; Sphaeropthalmina + Pseudomethocini = Sphaeropthalminae. ■ – synapomorphies or autapomorphies, ▨ – homoplasies (convergences, parallelisms), □ – reversals. (From: Lelej, Nemkov, 1997).

CATALOGUE OF PALAEARCTIC MUTILLIDAE**Family MUTILLIDAE Latreille, 1802**

Mutillariae Latreille, 1802: Histoire naturelle 3: 347.

I. Subfamily MYRMOSINAE Fox, 1894

Myrmosini (as tribe) Fox, 1894: Proc. Acad. Nat. Sci. Philad. 1-3: 293.

1. Genus Carinomyrmosa Lelej, 1981

Carinomyrmosa Lelej, 1981: Zool. Zhurn. 60(3): 378. Type species: *Carinomyrmosa gussakovskii* Lelej, 1981 (original designation).

gussakovskii Lelej, 1981 (*Carinomyrmosa*): Zool. Zhurn. 60(3): 378, ♀, type locality: "Tadjikistan, Kvak, 2000 m, 35 km N Dushanbe", holotype in St. Petersburg Zool. Inst. – Distribution: Asia: TJ.

2. Genus Erimyrmosa Lelej, 1984

Erimyrmosa Lelej, 1984: Zool. Zhurn. 63(9): 1432. Type species: *Erimyrmosa burmanensis* Lelej, 1984 (original designation). [Not Palaearctic].

frater (E. Saunders, 1899) (*Mutilla*): Entomol. month. Mag. 35: 228, ♂, type locality: "Le Tarf, Algeria", holotype in London Brit. Mus. Nat. Hist. – Distribution: North Africa: Algeria, Tunisia.

3. Genus Krombeinella Pate, 1947

Krombeinella (as subgenus of *Myrmosa* Latreille, 1796) Pate, 1947: Can. Entom. 78(11): 197. Type species: *Hylaeus thoracicus* Fabricius, 1793 (original designation).

Paramyrmosa (as subgenus of *Myrmosa* Latreille, 1796) Suárez, 1963 (nom. praeocc., nec Saussure, 1880): Boll. Soc. entom. Ital. 93(7-8): 114. Type species: *Hylaeus thoracicus* Fabricius, 1793 (original designation). Synonymized by Krombein, 1976: 258.

aramaea (Suárez, 1963) (*Myrmosa*): Boll. Soc. Entom. Ital. 93(7-8): 115, ♂, type locality: "Jerusalem, Israel", holotype in Suárez's coll., Almeria. – Distribution: Asia: Syria, Israel, TR, Iran.

aterrima (Suárez, 1959) (*Myrmosa*, as forma of *longicollis*): Eos 35(3): 283, ♂, type locality: "Dieulefit, (Drome)" (France), holotype in Suárez's coll., Almeria. – Distribution: Europe: F, E, P.

iberica (Suárez, 1963) (*Myrmosa*): Boll. Soc. Entom. Ital. 93(7-8): 117, ♂, type locality: Barcela (Spain), syntypes in Mus. Nat. d'Hist. Natur, Paris. New name for *Myrmosa longicollis* sensu André, 1900. Synonymized by Lelej, 1985: 65.

baetica Suárez, 1981 (*Krombeinella*): Eos 57: 268, ♀, type locality: "San Roque, Cadiz" (Spain), holotype in Suárez's coll., Almeria. – Distribution: Europe: E.

beaumonti (Invrea, 1953) (*Myrmosa*): Bull. Soc. Sci. natur. Maroc 32: 272, ♂, type locality: "Fes" (Morocco), holotype in Genova Mus. Civ. Stor. Natur. – Distribution: Europe: R, I (Sicily) E, P; North Africa: Morocco.

scutellata (Invrea, 1953) (*Myrmosa*, as variety of *beaumonti*): Bull. Soc. Sci. natur. Maroc 32: 273, ♂, type locality: "Marrakech" (Morocco), holotype in Genova Mus. Civ. Stor. Natur. Synonymized by Lelej, 1985: 61.

hebraea (Suárez, 1963) (*Myrmosa*): Boll. Soc. Entom. Ital. 93(7-8): 116, ♂, ♀, type locality: "Haifa, Israel", holotype ♂ in Suárez's coll., Almeria. – Distribution: Asia: Israel, TR.

longicollis (Tournier, 1889) (*Myrmosa*): l'Entom. Genevois 1: 17, ♀ non ♂, type locality: "Sarepta" (Russia, environs of Volgograd), syntypes in Mus. d'Hist. Natur. Geneve. – Distribution: Europe: SL, R, BG, Croatia, YU, Macedonia, GR, TR, U; Russia: SET.

maroccana (Suárez, 1960) (*Myrmosa*, as subspecies of *frater*): Hesperis Tamuda 1(1): 118 (key), 123 (description), ♂, type locality: "Tanger" (Morocco), holotype in Suárez's coll., Almeria. – Distribution: North Africa: Morocco.

naefi (Invrea, 1952) (*Myrmosa*): Boll. Soc. entom. Ital. 82: 94, ♂, type locality: "Biskra" (Algeria), holotype in Genova Mus. Civ. Stor. Natur. – Distribution: North Africa: Algeria.

nigriceps (S.S. Saunders, 1850) (*Myrmosa*): Trans. Entom. Soc. London. Ser. 2, 1: 69, ♂, type locality: "Epirus, Nicopolin" (Greece), holotype in London Brit. Mus. Nat. Hist. – Distribution: Europe: AL, YU, GR, TR.

gaullei (Invrea, 1950) (*Myrmosa*, as variety of *nigriceps*): Mem. Soc. entom. Ital. 31: 20, ♂, type locality: "Constantinopol" (Stambul, Turkey), holotype in Mus. Nat. d'Hist. Natur., Paris. – Distribution: Europe: TR.

obscuripes (Tournier, 1889) (*Myrmosa*): l'Entom. Genevois 1: 35, ♀, type locality: Algeria, syntypes in Mus. d'Hist. Natur. Geneve. – Distribution: Europe: E; North Africa: Morocco.

spinolae (Lepeletier, 1845) (*Myrmosa*): Hist. nat. ins. Hymen. 3: 591, ♀, type locality: ? Italy, types in Torino Mus. Reg. Sci. Natur. – Distribution: Europe: I.

tangerina (Mercet, 1913) (*Myrmosa*): Boln. R. Soc. esp. Hist. Nat. 13: 257, ♂, ♀, type locality: "Tanger" (Morocco), syntypes in Madrid Inst. Español Ent. – Distribution: North Africa: Morocco.

tenietensis (André, 1900) (*Myrmosa*, as variety of *longicollis*): Spec. Hymen. d'Eur. et d'Alg. 8: 108, ♀, type locality: Teniet-el-Haad, Algeria, types in Mus. Nat. d'Hist. Natur., Paris. – Distribution: North Africa: Algeria, Tunisia.

thoracica (Fabricius, 1793) (*Hyleus*): Entomologia systematica 2: 304, ♂, type locality: "in Italia", lectotype in Copenhagen Univ. Zool. Mus. (designated by Petersen, 1988: 195). – Distribution: Europe: I, F, S.

dubia (Costa, 1858) (*Myrmosa*): Fauna regno Napoli: 7, ♀, type locality: "Monte Vergine" (Italy), syntypes in Mus. Zool. Univ. Napoli. Synonymized by André, 1903: 442.

thracia (Suárez, 1963) (*Myrmosa*): Boll. Soc. Entom. Ital. 93(7-8): 115, ♂, type locality: "Sozopol" (Bulgaria), holotype in Suárez's coll., Almeria. – Distribution: Europe: BG.

wolfi (Invrea, 1963) (*Myrmosa*): Boll. Soc. entom. Ital. 93: 67, ♂, type locality: "Serbia, Nish" (Yugoslavia), syntypes in Genova Mus. Civ. Stor. Natur. – Distribution: Europe: YU, BG, U; Russia: SET; Asia: TR, GE, AZ.

4. Genus *Myrmosa* Latreille, 1796

Myrmosa Latreille, 1796: Precis des caracteres generiques des Insectes: 118. Type species: *Myrmosa atra* Panzer, 1801 (subsequent monobasic of Panzer, 1801).

Ischioceras Provancher, 1882: Nat. Canad. 13: 8. Type species: *Ischioceras rugosa* Provancher, 1882 (=*Myrmosa unicolor* Say, 1824) (monobasic). Synonymized by André, 1903: 12. [Not Palaeartic].

atra Panzer, 1801 (*Myrmosa*): Faune Insectorum Germanicae oder Deutschlands insecten 85: 14, ♂, type locality: "Germania", types unknown. – Distribution: Europe: S, SF, GB, IRE, B, NL, D, PL, EST, BE, U, A, CZ, SL, H, CH, F, E, P, I, Slovenia, Croatia, BH, YU, R; Russia: NET, CET, SET, WS, ES (Yakutsk); Asia: TR, KZ, KY, ? Iran.

melanocephala (Fabricius, 1793) (*Mutilla*, nom. preocc., non Schrank, 1781): Entomologia systematica 2: 372, ♀, type locality: "in Gallia" (France), lectotype in Copenhagen Univ. Zool. Mus. (designated by Petersen, 1988: 185). Synonymized by Kloet and Hincks, 1945: 317.

nigra Latreille, 1809 (*Myrmosa*): Genera Crustaceorum et insectorum 4: 120, ♂, type locality: ? France, types unknown. Name for the figure in Latreille, 1806, pl. 13, fig. 8. Synonymized by Blanchard, 1840: 376.

atra Lepeletier, 1845 (*Myrmosa*, nom. preocc., non Panzer, 1801): Hist. nat. ins. Hymen. 3: 590, ♂, type locality: not given (? France), types unknown. Mistaken name for *Myrmosa nigra* Latreille, 1809. Synonymized by Dalla Torre, 1897: 60.

nigra Lepeletier, 1845 (*Myrmosa*, nom. praeocc., non Latreille, 1809): Hist. nat. ins. Hymen. 3: 591, ♂, type locality: "environs de Paris et Anjou" (France), syntypes in Mus. Nat. d'Hist. Natur., Paris. Synonymized by Dalla Torre, 1897: 61.

bicolor Baer, 1848 (*Myrmosa*): Bull. Soc. Imp. Natur. Moscou 21(1): 228, ♀, type locality: river Osetr, Tula region (Russia), types not found. Synonymized by Lelej, 1977: 208.

melanaria (Blanchard, 1849) (*Mutilla*): Cuvier G.: Le Regne Animal. Les Insectes 13: tab. 118, fig. 7, ♀, type locality: not given. Synonymized by Dalla Torre, 1897: 61.

rufomaculata Hoffer, 1938 (*Myrmosa*, as forma of *melanocephala*): Sb. ent. Odd. nar. Mus. Praze 16: 176, ♀, type locality: "Tabor" (Czechia), syntypes probably in Praha Narodni Muz. **New Synonymy**.

erythrocephala Yarrow, 1954 (*Myrmosa*, as subspecies of *atra*): J. Soc. Brit. Ent. 5: 43 type locality: Ireland, holotype in London Brit. Mus. Nat. Hist. – Distribution: Europe: IRE.

eos Lelej, 1981 (*Myrmosa*): New data on insects of Far East: 102, ♂, type locality: Primorskii krai, Khanka lake, Novokatshalinsk (Russia: Far East), holotype in St. Petersburg Zool. Inst. – Distribution: Russia: FE; Asia: Korea.

moesica Suárez, 1981 (*Myrmosa*): Eos 57: 270, ♂, type locality: "Kaptaza, Zajecar (Serbia)" (Yugoslavia), holotype in Nonveiller's coll., Zemun. – Distribution: Europe: YU.

mongolica Suárez, 1974 (*Myrmosa*, as subspecies of *atra*): Arch. Inst. Aclimat. 19: 6, ♂, type locality: "Charbin" (China: NE), holotype in Suárez's coll., Almeria. – Distribution: Russia: ES (Irkutskaya oblast, Transbaicalia), FE (Amurskaya oblast, Khabarovskii krai, Primorskii krai, Sakhalin); Asia: Mongolia, China: NE (Heilongjiang), Korea, Japan (Honshu).

tsunekii Haneda, 1979 (*Myrmosa*): Kontyu 47(4): 540, ♀, ♂, type locality: "Fukui Pref, Arashi" (Japan, Honshu), holotype in Haneda's coll., Japan, Ohno. Synonymized by Lelej, 1981: 103.

nigrofasciata Yasumatsu, 1931 (*Myrmosa*): Trans. Sapporo Natur. Hist. Soc. 11(4): 221, ♀, ♂, type locality: "Hikosan, Buzen, Kyushu" (Japan), holotype in Kyushu Univ. – Distribution: Asia: Japan (Honshu, Kyushu).

5. Genus *Paramyrmosa* Saussure, 1880

Paramyrmosa (as subgenus of *Myrmosa* Latreille, 1796) Saussure, 1880: Voyage au Turkestan d'Alexis Fedtschenko, 2(5): 12. Type species: *Myrmosa (Paramyrmosa) radoszkowskyi* Saussure, 1880 (monobasic).

Morysmula (as subgenus of *Myrmosa* Latreille, 1796) Suárez, 1963: Boll. Soc. entom. Ital. 93(7-8): 114. Type species: *Myrmosa brunnipes* Lepeletier, 1845 (original designation). Synonymized by Krombein, 1976: 258.

bischoffi (Invrea, 1952) (*Myrmosa*): Mem. Soc. entom. Ital. 31: 20, ♀, type locality: Thessaloniki, Greece, syntypes in Braun's coll., Willowmore (South Africa). – Distribution: Europe: GR.

brunnipes (Lepeletier, 1845) (*Myrmosa*): Hist. nat. ins. Hymen. 3: 590, ♀, type locality: "Environs de Paris et Midi de la France", lectotype in Torino Mus. Reg. Sci. Natur. (designated by Suárez, 1988: 91). – Distribution: Europe: D, PL, BE, U, CZ, SL, A, H, R, BG, GR, AL, Slovenia, Croatia, BH, YU, Macedonia, I, F, E, P; Russia: CET, SET; Asia: ARM, TR.

cognata (Costa, 1858) (*Myrmosa*): Fauna regno Napoli: 6, ♂, type locality: "adiacenze di Napoli" (Italy), syntypes in Mus. Zool. Univ. Napoli. Synonymized by Zavattari, 1910: 3.

hispanica Suárez, 1980: (*Paramyrmosa*): Eos 54: 277, ♀, type locality: "Fregeinal de la Sierra (Badajoz), a orillas del rio Ardila" (Spain), holotype in Suárez's coll., Almeria. – Distribution: Europe: E.

myrmillicephalia (Skorikov, 1935) (*Myrmosa*): Tr. Tadzh. basy AN SSSR 5: 286, ♀, type locality: "Firyuza" (Turkmenistan, near Ashkhabad), lectotype in St. Petersburg Zool. Inst. (designated by Lelej, 1977: 209). – Distribution: Asia: TU, UZ, TJ, Mongolia.

pulla (Nylander, 1847) (*Myrmosa*): Notiser ur saellskapets Fauna Flora Fenn., Forhandl. 1: 18, ♂, type locality: "E. Siberia" (Russia: ? Transbaicalia, ? Irkutsk region), syntypes probably lost. – Distribution: Russia: ES (Transbaicalia), FE (Amurskaya oblast, Evreyskaya oblast, Primorskii krai); Asia: Mongolia, China: NE.

czerskii (Skorikov, 1929) (*Myrmosa*): Ezhegodnik Zool. Mus. AN SSSR 30(2): 249, ♀, type locality: "Kamen-Rybolov, Khanka" (Russia: Primorskii krai), holotype in St. Petersburg Zool. Inst. Synonymized by Lelej, 1985: 67.

punica Suárez, 1979 (*Paramyrmosa*): Eos 53: 309, ♀, type locality: "Tunez" (Tunisia), holotype in Nonveiller's coll., Zemun. – Distribution: North Africa: Tunisia.

radoszkowskyi (Saussure, 1880) (*Myrmosa*): Voyage au Turkestan d'Alexis Fedtschenko, 2(5): 12, ♂, type locality: "Caucasus", holotype in Krakow Inst. Syst. Exper. Zool. – Distribution: Asia: TR, GE, AZ, ARM.

sbuiaensis (Giner, 1945) (*Myrmosa*): Eos 21: 247, ♀, type locality: "Uad el Koraima, Sbuia, Ifni" (Western Sahara), holotype in Mus. Zool. Barcelona. – Distribution: North Africa: Western Sahara.

II. Subfamily KUDAKRUMIINAE Krombein, 1979

Kudakrumiinae Krombein, 1979: Trans. Am. entom. Soc. 105: 71.

6. Genus **Protomutilla** Bischoff, 1916

Protomutilla Bischoff, 1916: Schriften phys.-oekon. Ges. Konigsberg 56: 142. Type species: *Protomutilla succinalis* Bischoff, 1916 (original designation).

archaeotrichosoma Lelej, 1986 (fossil) (*Protomutilla*): Paleontol. zh. 4: 106, ♂, type locality: Baltic Amber (Upper Eocene), holotype in Moscow Paleontol. Inst.

castanea Bischoff, 1916 (fossil) (*Protomutilla*): Schriften phys.-oekon. Ges. Konigsberg 56: 143, ♀, type locality: Baltic Amber (Upper Eocene).

dentata Bischoff, 1916 (fossil) (*Protomutilla*): Schriften phys.-oekon. Ges. Konigsberg 56: 144, ♀, type locality: Baltic Amber (Upper Eocene).

incerta Bischoff, 1916 (fossil) (*Protomutilla*): Schriften phys.-oekon. Ges. Konigsberg 56: 143, ♀, type locality: Baltic Amber (Upper Eocene).

megalopthalma Bischoff, 1916 (fossil) (*Protomutilla*): Schriften phys.-oekon. Ges. Konigsberg 56: 143, ♀, type locality: Baltic Amber (Upper Eocene).

nana Bischoff, 1916 (fossil) (*Protomutilla*): Schriften phys.-oekon. Ges. Konigsberg 56: 144, ♀, type locality: Baltic Amber (Upper Eocene).

rasnitsyni Lelej, 1986 (fossil) (*Protomutilla*): Paleontol. zh. 4: 105, ♂, type locality: Baltic Amber (Upper Eocene), holotype in Moscow Paleontol. Inst.

succinalis Bischoff, 1916 (fossil) (*Protomutilla*): Schriften phys.-oekon. Ges. Konigsberg 56: 142, ♀, type locality: Baltic Amber (Upper Eocene).

succinicola Bischoff, 1916 (fossil) (*Protomutilla*): Schriften phys.-oekon. Ges. Konigsberg 56: 143, ♀, type locality: Baltic Amber (Upper Eocene).

7. Genus **Pseudomyrmosa** Suárez, 1980

Pseudomyrmosa Suárez, 1980: Eos 54: 275. Type species: *Myrmosa minuta* Morawitz, 1894 (original designation).

kashgarica Lelej, 1981 (*Pseudomyrmosa*): Zool. zh. 60(3): 377, ♂, type locality: "Maralbaschi am Kaschgar-Darja" (China: NW), holotype in St. Petersburg Zool. Inst. – Distribution: Asia: China: NW (Xinjiang).

minuta (Morawitz, 1894) (*Myrmosa*): Horae Soc. Ent. Ross. 28(3/4): 328, ♀, type locality: "Atrek" (Turkmenistan), lectotype in St. Petersburg Zool. Inst. (designated by Lelej, 1977: 209). – Distribution: Russia: SET; Asia: ARM, KZ, KY, UZ, Afghanistan, Mongolia.

myrmosina (Dalla Torre, 1897) (*Mutilla*): Cat. Hymen. 8: 65. New name for *Mutilla minuta* Morawitz, 1894. Synonymized by André, 1903: 443.

gobicola Lelej, 1981 (*Pseudomyrmosa*): Zool. zh. 60(3): 377, ♂, type locality: "Mongolia, Gobi Altai, 15 km WNW Dzahoj", holotype in St. Petersburg Zool. Inst. Synonymized by Ovchinnikov, 2002: 80.

schlettereri (Morawitz, 1890) (*Mutilla*): Horae Soc. Ent. Ross. 24(3/4): 636, ♂, type locality: "Repetek" (Turkmenistan), lectotype in St. Petersburg Zool. Inst. (designated by Lelej, 1981: 375). – Distribution: Asia: TU.

sogdiana Suárez, 1981 (*Pseudomyrmosa*): Eos 57: 265, ♀, type locality: "Petr Pervy Mts, near Novabad, 2500 ♂" (Tajikistan), holotype in St. Petersburg Zool. Inst. – Distribution: Asia: TJ.

III. Subfamily PSEUDOPHOTOPSIDINAE Bischoff, 1920

Pseudophotopsini (as tribe) Bischoff, 1920 Arch. Naturgesch. 86A(1-3): 22.

8. Genus *Pseudophotopsis* André, 1896

Pseudophotopsis (as subgenus of *Mutilla* Linnaeus, 1758) André, 1896: Mem. Soc. zool. France 9: 266. Type species: *Agama komarovii* Radoszkowski, 1885 (designated by Ashmead, 1903: 305).

Alloneurion Ashmead, 1899: J. N. Y. Entom. Soc. 7: 59. Type species: *Agama kokpetica* Radoszkowski, 1885 (original designation). Synonymized by André, 1903: 21.

Sphinctomutilla André, 1899: Spec. Hymen. d'Eur. et d'Alg. 8: tabl. 2, 7. Type species: *Mutilla continua* Fabricius, 1804 (designated by Mickel, 1928: 37). Synonymized by André, 1900: 136.

aegyptiaca (Bischoff, 1920) (*Ephutomma*, as subspecies of *continua*): Arch. Naturgesch. 86A(1-3): 148 (key), 151 (description), ♀, type locality: Egypt, holotype in Zool. Mus. Berlin. – Distribution: Asia: Israel; North Africa: Egypt, Libya, Sudan, Chad.

afghanica Lelej, 1980 (*Pseudophotopsis*): Entom. Obozr. 59(3): 641, ♀, type locality: "Central Afghanistan, province Ghazni, SW of Mukur", holotype in St. Petersburg Zool. Inst. – Distribution: Asia: Afghanistan.

armeniaca (Skorikov, 1935) (*Ephutomma*): Tr. Tadzh. basy AN SSSR 5: 322, ♀, type locality: "Armenia, Erevan", lectotype in St. Petersburg Zool. Inst. (designated by Lelej, 1980: 640). – Distribution: Asia: CY, ARM.

cypriaca (Hammer, 1950) (*Ephutomma*, as subspecies of *continua*): Soc. Sci. Fenn., comm. biol. 10(13): 14, ♀, type locality: "Cyprus, Paphos Ayios Neophitos", holotype in Zool. Mus. Helsinki Univ. Synonymized by Lelej, 1985: 84.

baktriana (Skorikov, 1935) (*Ephutomma*): Tr. Tadzh. basy AN SSSR 5: 324, ♀, type locality: "Sary-Yassy, S.-E. Transcaspia" (Turkmenistan), lectotype in St. Petersburg Zool. Inst. (designated by Lelej, 1980: 639). – Distribution: Asia: TU, TJ.

binghami (Bischoff, 1920) (*Pseudophotopsis*): Arch. Naturgesch. 86A(1-3): 96, ♂, type locality: "Perso-Baluch. Frontier" (Iran), holotype in Zool. Mus. Berlin. – Distribution: Asia: KZ, UZ, TJ, KY, TU, Iran, Afghanistan, India (Rajasthan).

zarudnyi (Skorikov, 1935) (*Pseudophotopsis*, as subspecies of *komarovii*): Tr. Tadzh. basy AN SSSR 5: 292, ♂, type locality: "Kerman, strana Sargad, Tshah-i-Zaman" (Iran), lectotype in St. Petersburg Zool. Inst. (designated by Lelej, 1980: 639). Synonymized by Lelej, 1985: 83.

biskrensis (André, 1900) (*Mutilla*): Spec. Hymen. d'Eur. et d'Alg. 8: 143, ♀, type locality: Biskra (Algeria), syntypes in Mus. Nat. d'Hist. Natur. Paris. – Distribution: North Africa: Algeria, Tunisia, Libya, Egypt

brachythorax (Skorikov, 1935) (*Ephutomma*): Tr. Tadzh. basy AN SSSR 5: 323, ♀, type locality: "Khorasan, Zurabad" (Iran), lectotype in St. Petersburg Zool. Inst. (designated by Lelej, 1980: 645). – Distribution: Asia: TU, TJ, East Iran, Afghanistan.

brunnescens Lelej, 1971 (*Pseudophotopsis*): Entom. Obozr. 50(3): 676, ♂, type locality: "Alma-Atinskaya oblast, Syugatinskaya dolina" (Kazakhstan), holotype in St. Petersburg Zool. Inst. – Distribution: Asia: KZ (south-east), KY, UZ.

caspica (Radoszkowski, 1885) (*Agama*): Horae Soc. Ent. Ross. 19(1/2): 39, ♂, type locality: "Germab" (Turkmenistan, near Ashkhabad), lectotype in St. Petersburg Zool. Inst. (designated by Lelej, 1980: 643). – Distribution: Asia: KZ (south), TU, UZ, KY, TR, Iran, Afghanistan.

radoszkowskyi (Morawitz, 1890) (*Mutilla*): Horae Soc. Ent. Ross. 24(3/4): 640, ♂, type locality: "Aschabad" (Turkmenistan), lectotype in St. Petersburg Zool. Inst. (designated by Lelej, 1980: 643). Synonymized by Dalla Torre, 1897: 21.

selevkida (Skorikov, 1935) (*Ephutomma*): Tr. Tadzh. basy AN SSSR 5: 323, ♀, type locality: "Termez" (Uzbekistan), lectotype in St. Petersburg Zool. Inst. (designated by Lelej, 1980: 643). Synonymized by Lelej, 1980: 643.

caucasica (Radoszkowski, 1885) (*Agama*): Horae Soc. Ent. Ross. 19(1/2): 37, ♂, type locality: "Caucasus, Lagodehi" (Georgia), syntypes probably lost. – Distribution: Asia: GE, AZ, ARM, TU, CY, Palestine, TR, Iran, Afghanistan.

caucasicola (Dalla Torre, 1897) (*Mutilla*): Cat. Hymen. 8: 22. New name for *Agama caucasica* Radoszkowski, 1885 in genus *Mutilla*. **New Synonymy**.

schachruda (Skorikov, 1935) (*Ephutomma*): Tr. Tadzh. basy AN SSSR 5: 323, ♀, type locality: "Shachrud" (North Iran), lectotype in St. Petersburg Zool. Inst. (designated by Lelej, 1980: 642). Synonymized by Lelej, 1980: 642.

robusta (Skorikov, 1935) (*Ephutomma*, as variety of *schachruda*): Tr. Tadzh. basy AN SSSR 5: 324, ♀, type locality: "Caucasus, Araxes thal", lectotype in St. Petersburg Zool. Inst. (designated by Lelej, 1980: 642). Synonymized by Lelej, 1980: 642.

mavromoustakisi (Suárez, 1959) (*Ephutomma*): Eos 35(3): 284, ♀, type locality: "Chipre, Limassol" (Cyprus), holotype in Suárez's coll. Almeria. Synonymized by Lelej, 1980: 642.

fumata Bischoff, 1920 (*Pseudophotopsis*): Arch. Naturgesch. 86A(1-3): 96 (key), 98 (description), ♂, type locality: near Sfax (Tunisia), holotype in London Brit. Mus. Nat. Hist. – Distribution: Asia: Israel; North Africa: Western Sahara, Tunisia, Libya, Chad.

geyri (Bischoff, 1920) (*Ephutomma*, as subspecies of *continua*): Arch. Naturgesch. 86A(1-3): 152, ♀ non ♂, type locality: "Ravis" (Algeria), syntypes in Zool. Mus. Berlin. – Distribution: North Africa: Algeria, Sudan.

irana (Skorikov, 1935) (*Ephutomma*): Tr. Tadzh. basy AN SSSR 5: 324, ♀, type locality: "Khorasan, Kyarsh-i-Nou" (Iran), lectotype in St. Petersburg Zool. Inst. (designated by Lelej, 1980: 640). – Distribution: Asia: KZ (south), KY, UZ, TU, TJ, Iran, Afghanistan, India (Rajasthan).

cithara (Skorikov, 1935) (*Ephutomma*): Tr. Tadzh. basy AN SSSR 5: 323, ♀, type locality: "Bampur" (south-east Iran), holotype in St. Petersburg Zool. Inst. Synonymized by Lelej, 1980: 640.

kabakovi Lelej, 1980 (*Pseudophotopsis*): Entom. Obozr. 59(3): 647, ♂, type locality: "Eastern Afghanistan, province Kunar, Kamdesh", holotype in St. Petersburg Zool. Inst. – Distribution: Asia: Afghanistan

kermana Skorikov, 1935 (*Pseudophotopsis*): Tr. Tadzh. basy AN SSSR 5: 291, ♂, type locality: "Kerman, strana Bampur, Karavandar" (south-east Iran), lectotype in St. Petersburg Zool. Inst. (designated by Lelej, 1980: 640). – Distribution: Asia: Iran.

kokpetica (Radoszkowski, 1885) (*Agama*): Horae Soc. Ent. Ross. 19(1/2): 40, ♂, type locality: "Aschabad" (Turkmenistan), lectotype in St. Petersburg Zool. Inst. (designated by Lelej, 1980: 641). – Distribution: Asia: KZ (south), UZ, KY, TU, TJ.

komarovii (Radoszkowski, 1885) (*Agama*): Horae Soc. Ent. Ross. 19(1/2): 38, ♂, type locality: "Ashabad" (Turkmenistan), lectotype in St. Petersburg Zool. Inst. (designated by Lelej, 1980: 637). – Distribution: Asia: KZ (south), UZ, KY, TU, TJ, CY, Iran; ? North Africa: Algeria, Egypt.

ashkhabadensis (Radoszkowski, 1885) (*Agama*): Horae Soc. Ent. Ross. 19(1/2): 39, ♂, type locality: Ashkhabad (Turkmenistan), syntypes in Krakow Inst. Syst. Exper. Zool. Synonymized by André, 1899: 21.

oculosa Skorikov, 1935 (*Pseudophotopsis*): Tr. Tadzh. basy AN SSSR 5: 291, ♂, type locality: Ashkhabad (Turkmenistan), lectotype in St. Petersburg Zool. Inst. (designated by Lelej, 1980: 637). Synonymized by Lelej, 1980: 637.

inductrix Skorikov, 1935 (*Pseudophotopsis*): Tr. Tadzh. basy AN SSSR 5: 291, ♂, type locality: Ashkhabad (Turkmenistan), lectotype in St. Petersburg Zool. Inst. (designated by Lelej, 1980: 637). Synonymized by Lelej, 1980: 637.

asiatica Suárez, 1965 (*Pseudophotopsis*): Mem. Soc. entom. Ital. 44: 52, ♀, type locality: Ashkhabad (Turkmenistan), syntypes in Krakow Inst. Syst. Exper. Zool. Synonymized by Lelej, 1980: 637.

mateui Giner, 1945 (*Pseudophotopsis*): Eos 21: 252, ♀, ♂, type locality: Tuisguirrentz Rod el Hasch, El Gasuch, Anguili (Western Sahara), syntypes in Madrid Inst. Español Ent. – Distribution: North Africa: Western Sahara.

maura Bischoff, 1920 (*Pseudophotopsis*, as subspecies of *kokpetica*): Arch. Naturgesch. 86A(1-3): 96 (key), 98 (description), ♂, type locality: Gabes (Tunisia), holotype in Mus. Nat. d'Hist. Natur. Paris. – Distribution: Asia: Israel; North Africa: Algeria, Tunisia, Libya, Egypt, Chad.

obliterata (Smith, 1855) (*Mutilla*): Cat. Hymen. 3: 8, ♂, type locality: "Albania", holotype in London Brit. Mus. Nat. Hist. – Distribution: Europe: AL; Asia: CY.

orthophthalma (Skorikov, 1935) (*Ephutomma*): Tr. Tadzh. basy AN SSSR 5: 322, ♀, type locality: "Transcaspia, Repetek" (Turkmenistan), lectotype in St. Petersburg Zool. Inst. (designated by Lelej, 1980: 638). – Distribution: Asia: KZ (south), KY, UZ, TU, TJ.

pavlovskyi Skorikov, 1935 (*Pseudophotopsis*): Tr. Tadzh. basy AN SSSR 5: 290, ♂, type locality: "Bezmein" (Turkmenistan, 20 km NW Ashkhabad), lectotype in St. Petersburg Zool. Inst. (designated by Lelej, 1980: 645). – Distribution: Asia: KY, UZ, TU, TJ, Iran (north), Afghanistan.

melanocephala Skorikov, 1935 (*Pseudophotopsis*, as variety of *pavlovskyi*):

Tr. Tadzh. basy AN SSSR 5: 291, ♂, type locality: "Amudarja" (Turkmenistan, Uzbekistan), lectotype in St. Petersburg Zool. Inst. (designated by Lelej, 1980: 645). Synonymized by Lelej, 1980: 645.

rufothoracica Bischoff, 1920 (*Pseudophotopsis*, as subspecies of *kokpetica*):

Arch. Naturgesch. 86A(1-3): 98, ♂, type locality: "Helouan" (Egypt), holotype in Budapest Term. tud. Mus. – Distribution: North Africa: Egypt.

syriaca (André, 1900) (*Mutilla*): Spec. Hymen. d'Eur. et d'Alg. 8: 140, ♀, type

locality: "Syrie, Palestine", syntypes in Mus. Nat. d'Hist. Natur. Paris. – Distribution: Europe: GR Asia: Syria, Palestine.

IV. Subfamily TICOPLINEAE Nagy, 1970

Ticoplinae Nagy, 1970: Ent. Mitt. Zool. Mus. Hamburg 4(69): 84.

Nanomutillinae Suárez, 1975: Arch. Inst. Aclimat. 20: 114. Synonymized by Argaman, 1988: 33.

Tribe Ticoplini Nagy, 1970

9. Genus *Nanomutilla* André, 1900

Nanomutilla (as subgenus of *Mutilla* Linnaeus, 1758) André, 1900: Spec. Hymen. d'Eur. et d'Alg. 8: 130. Type species: *Mutilla* (*Nanomutilla*) *vaucheri* Tournier, 1895 (monobasic).

Ticopla Nagy, 1970: Ent. Mitt. Zool. Mus. Hamburg 4(69): 85. Type species: *Ticopla yoca* Nagy, 1970 (original designation). Synonymized by Mitchel and Brothers, 1998: 193.

nada Argaman, 1988 (*Nanomutilla*): Frigm. balc. Mus. maced. sci. nat. 14(5): 38, ♀, type locality: "South Spain", holotype in Argaman's coll., Yavne, Israel. – Distribution: Europe: E (south).

parila (Nagy, 1970) (*Ticopla*): Ent. Mitt. Zool. Mus. Hamburg 4(69): 85, ♂, type locality: "Amman" (Jordan), holotype in Argaman's coll., Yavne, Israel. – Distribution: Asia: Jordan, Israel.

vaucheri (Tournier, 1895) (*Mutilla*): Bull. Soc. Entom. France: 47, ♀, type locality: Tanger (Morocco), syntypes probably in Mus. d'Hist. Natur. Geneve. – Distribution: Europe: E; Asia: Syria; North Africa: Morocco, Algeria.

yoca (Nagy, 1970) (*Ticopla*): Ent. Mitt. Zool. Mus. Hamburg 4(69): 85, ♂, type locality: "Jordania" (Jordan), holotype in Argaman's coll., Yavne, Israel. – Distribution: Asia: Jordan, Israel.

Tribe Smicromyrmillini Argaman, 1988

Smicromyrmillini Argaman, 1988: Fragm. balc. Mus. maced. sci. nat. 14(5): 36.

10. Genus **Smicromyrmilla** Suárez, 1965

Smicromyrmilla Suárez, 1965: Eos 40(3-4): 570. Type species: *Mutilla ariasi* André, 1896 (original designation).

ariasi (André, 1896) (*Mutilla*): Mem. Soc. Zool. France 9: 274, ♀, type locality: "España" (Spain), holotype in Mus. Nat. d'Hist. Natur. Paris. – Distribution: Europe: E; North Africa: Morocco.

garciapavoni Suárez, 1975 (*Smicromyrmilla*, as subspecies of *ariasi*): Arch. Inst. Aclimat. 20: 109, ♀, type locality: "Taurirt (Beni Sicar)" (Morocco), holotype in Suárez's coll., Almeria. – Distribution: North Africa: Morocco.

miranda Nonveiller et Gros, 1996 (*Smicromyrmilla*): Boll. Soc. d'Hist. Natur. Baleares 39: 60, ♂, type locality: "El Perello" (Spain), holotype in Mus. Nat. d'Hist. Natur. Paris. – Distribution: Europe: E.

V. Subfamily MYRMILLINAE Bischoff, 1920

Myrmillini (as tribe) Bischoff, 1920: Arch. Naturgesch. 86A(1-3): 22.

11. Genus **Bischoffitilla** Lelej, gen. n.

Squamulotilla sensu Mickel: Krombein, Lelej, 1999: Proc. Entom. Soc. Wash. 101(1): 144, ♀ ♂.

afghanica (Lelej, 1980) (*Myrmilla*): Entom. Obozr. 59(1): 182, ♀, type locality: Afghanistan, province Lagman, Shamakat, holotype in St. Petersburg Zool. Inst. **New combination**. – Distribution: Asia: Afghanistan.

ardescens (Smith, 1873) (*Mutilla*): Trans. entom. Soc. London: 182, ♀, type locality: "Nagasaki" (Japan), holotype lost. **New combination**. – Distribution: Asia: Japan (Honshu, Kyushu, Amami-oshima).

bidentata (Tsuneki, 1972) (*Squamulotilla*): Etizenia 61: 3, ♂, type locality: "Fukui Pref., Arashi, 700 m" (Japan, Honshu), holotype in Mus. Nat. Human Activity, Hyogo. **New combination**. – Distribution: Asia: Japan (Honshu, Yaku-shima).

exilipunctata (Chen, 1957) (*Squamulotilla*): Quart. J. Taiwan Mus. 10(3-4): 146, ♀, type locality: "Kiangsu, Nanking" (China), holotype in Maa's coll., Taiwan. **New combination**. – Distribution: Asia: China: NO (Hebei), CE (Jiangsu, Zhejiang), SE (Fujian), Korea.

pungens (Smith, 1873) (*Mutilla*): Trans. entom. Soc. London: 182, ♀, type locality: "Hiogo" (Japan), holotype lost. **New combination.** – Distribution: Asia: Japan (Honshu, Kyushu).

pungens (Smith, 1874) (*Mutilla*): Trans. entom. Soc. London: 407, ♀, type locality: "Hiogo" (Japan), holotype in London Brit. Mus. Nat. Hist. Synonymized by Mickel, 1935: 194.

militans (Dalla Torre, 1897) (*Mutilla*): Cat. Hymen. 8: 62. Nem name for *Mutilla pungens* Smith, 1874. Synonymized by Mickel, 1935: 194.

strangulata (Smith, 1879) (*Mutilla*): Descr. New Species Hymen.: 200, ♀, type locality: "North China", holotype in London Brit. Mus. Nat. Hist. **New combination.** – Distribution: Asia: China: CE (Jiangxi, Jiangsu, Anhui, Zhejiang), SE (Fujian, Guangdong).

unidentata (Tsuneki, 1972) (*Squamulotilla*): Etizenia 61: 6, ♂, type locality: "Fukui Pref., Ipponmatsu, 800 m" (Japan, Honshu), holotype in Mus. Nat. Human Activity, Hyogo. **New combination.** – Distribution: Asia: Japan (Honshu).

12. Genus *Blakeius* Ashmead, 1903

Blakeius Ashmead, 1903: Can. Entom. 35: 327. Type species: *Mutilla bituberculata* Smith, 1855 (= *Mutilla bipunctata* Latreille, 1792) (original designation).

Bisigilla (as subgenus of *Myrmilla* Wesmael, 1852) Skorikov, 1927: Ezhegodnik Zool. Mus. AN SSSR 28(1): 35. Type species: *Mutilla bipunctata* Latreille, 1792 (designated by Invrea, 1964: 71). Synonymized by Brothers, 1975: 591.

bipunctatus (Latreille, 1792) (*Mutilla*): Act. Soc. Hist. Nat. Paris 1: 10, ♀, type locality: "Gallo-provincia" (Provence, France), syntypes unknown. – Distribution: Europe: E, F, I, GR; Asia: CY, Syria; North Africa: Morocco, Algeria, Tunisia.

angusticollis (Spinola, 1843) (*Mutilla*): Annls Soc. entom. Fr. 2(1): 132, ♂, type locality: Andalusia (Spain), syntypes in Torino Mus. Reg. Sci. Natur. Synonymized by Sichel and Radoszkowski, 1870: 220.

tuberculata (Lepeletier 1845) (*Mutilla*, nom. praeocc., non Fabricius, 1804): Hist. nat. ins. Hymen. 3: 619, ♀, type locality: "Midi de l'Europe", types in Torino Mus. Reg. Sci. Natur. Synonymized by Morawitz, 1865: 125.

bituberculata (Smith, 1855) (*Mutilla*): Cat. Hymen. 3: 2, ♀. New name for *Mutilla tuberculata* Lepeletier, 1845. Type locality: "Midi de l'Europe", types in Mus. Zool. Univ. Torino. Synonymized by Morawitz, 1865: 125.

erythrothorax (Sichel et Radoszkowski, 1870) (*Mutilla*): Horae Soc. Ent. Ross. 6(4): 266, ♂, type locality: not given (? South Europe). Synonymized by André, 1903: 447.

cobosi (Suárez, 1958) (*Myrmilla*, as variety of *bipunctata*): Eos 34(1): 90, ♀, ♂, type locality: "Muley Rechid" Morocco, holotype ♂ in Suárez's coll., Almeria. – Distribution: North Africa: Morocco.

chiesi (Spinola, 1839) (*Mutilla*): Annls Soc. entom. Fr. 7: 457, ♀, type locality: Corsica (France), holotype in Mus. Zool. Univ. Torino. – Distribution: Europe: E, P, F (Corsica), I; North Africa: Morocco, Algeria, Tunisia.

diophthalma (Costa, 1882) (*Mutilla*): Atti R. Accad. Sci. Fis. Matem. Napoli (1)9(11): 37, ♀, type locality: not given (Sardinia), syntypes in Mus. Zool. Univ. Napoli. Synonymized by Costa, 1887: 158.

ibericus (Suárez, 1958) (*Myrmilla*, as subspecies of *chiesi*): Eos 34(1): 92, ♀, ♂, type locality: "El Escorial" (Madrid, Spain), holotype ♂ in Suárez's coll., Almeria. – Distribution: Europe: E, P, I; North Africa: Morocco, ? Algeria, Tunisia.

negrei (Suárez, 1958) (*Myrmilla*, as subspecies of *chiesi*): Eos 34(1): 96, ♂, type locality: "Malaga" (Spain), holotype in Suárez's coll., Almeria. – Distribution: Europe: E, P, I; North Africa: Morocco, Algeria.

obscura (Suárez, 1958) (*Myrmilla*, as forma of *chiesi iberica*): Eos 34(1): 95, ♀, ♂, type locality: "La Canada (Almeria)" (Spain), holotype ♂ in Suárez's coll., Almeria. Invalid according to article 45.5 of ICZN. Synonymized by Invrea, 1964: 82.

rufonota (Suárez, 1958) (*Myrmilla*, as forma of *chiesi iberica*): Eos 34(1): 95, ♀, ♂, type locality: "Laujar (Almeria)" (Spain), holotype ♂ in Suárez's coll., Almeria. Invalid according to article 45.5 of ICZN. Synonymized by Invrea, 1964: 82.

nana (Suárez, 1958) (*Myrmilla*, as forma of *chiesi iberica*): Eos 34(1): 96, ♀, ♂, type locality: "La Joya (Almeria)" (Spain), holotype in Suárez's coll., Almeria. Invalid according to article 45.5 of ICZN. Synonymized by Invrea, 1964: 82.

invreai (Suárez, 1958) (*Myrmilla*): Eos 34(1): 90, ♂, type locality: "Malaga" (Spain), holotype in Suárez's coll., Almeria. – Distribution: Europe: E; North Africa: Morocco.

leopoldinus (Invrea, 1955) (*Myrmilla*): Boll. Soc. entom. Ital. 85: 104, ♂, ♀, type locality: "Sardegna, Domus de Maria" (Italy), syntypes in Genova Mus. Civ. Stor. Natur. – Distribution: Europe: I (Sardinia), M.

ortizi (Suárez, 1954) (*Myrmilla*): Arch. Inst. Aclimat. 2: 157, ♀, type locality: "Benaojan (Malaga)" (Spain), holotype in Suárez's coll., Almeria. – Distribution: Europe: E; North Africa: Morocco.

otini (Giner, 1959) (*Myrmilla*): Eos 35(4): 392, ♂, ♀, type locality: "O. Smen" (Morocco), holotype ♂ in Madrid Inst. Español Ent. Synonymized by Suárez, 1959: 401.

13. Genus *Liomutilla* André, 1907

Liomutilla André, 1907: Z. Hym. Dipt.: 340. Type species: *Liomutilla canariensis* André, 1907 (monobasic).

canariensis André, 1907 (*Liomutilla*): Z. Hym. Dipt.: 340, ♀, type locality: "Teneriffe (Iles Canaries)", holotype in Mus. d'Hist. Natur. Paris. – Distribution: North Africa: Canary Is.

14. Genus *Myrmilla* Wesmael, 1852

Myrmilla (as subgenus of *Mutilla* Linnaeus, 1758): Wesmael, 1852: Bull. Acad. R. Sci. Belg. 18(2): 365. Type species: *Mutilla distincta* Lepeletier, 1845 (=*Mutilla calva* Villers, 1789) (designated by Ashmead, 1903: 324).

Rudia Costa, 1858: Fauna regno Napoli: 7. Type species: *Rudia megacephala* Costa, 1858 (=*Mutilla erythrocephala* Latreille, 1792) (designated by Bischoff, 1920: 54). Synonymized by André, 1903: 24.

Subgenus *Eurygnathilla* Skorikov, 1927

Eurygnathilla (as subgenus of *Myrmilla* Wesmael, 1852) Skorikov, 1927: Ezhegodnik Zool. Mus. AN SSSR 28(1): 35. Type species: *Myrmilla ephutommatica* Skorikov, 1927 (designated by Lelej, 1985: 110).

emiliae (Dalla Torre, 1897) (*Mutilla*): Cat. Hymen. 8: 34. New name for *Mutilla laticeps* Radoszkowski, 1888. – Distribution: Asia: AZ, ARM, TU, TR, Iraq, Iran.

laticeps (Radoszkowski, 1888) (*Mutilla*, nom. praeocc., non Blake, 1871): Horae Soc. Ent. Ross. 22(3/4): 345, ♀, type locality: "Astrabad" (=Gorgan, Iran), syntypes in Krakow Inst. Syst. Exper. Zool.

chusistana Skorikov, 1927 (*Myrmilla*): Ezhegodnik Zool. Mus. AN SSSR 28(1): 38, ♀, type locality: "Nagun, Arabistan" (Iran), holotype in St. Petersburg Zool. Inst. Synonymized by Lelej, 1985: 110.

ephutommatica Skorikov, 1927 (*Myrmilla*): Ezhegodnik Zool. Mus. AN SSSR 28(1): 36, ♀, type locality: "Shakhrizyabs near Guzar" (Uzbekistan), lectotype in St. Petersburg Zool. Inst. (designated by Lelej, 1985: 110). – Distribution: Asia: TU, UZ, TJ.

Subgenus *Myrmilla* Wesmael, 1852

anopla Skorikov, 1927 (*Myrmilla*, as variety of *calva*): Ezhegodnik Zool. Mus. AN SSSR 28(1): 37, ♀, type locality: "Montenegro" (Yugoslavia), lectotype ("Montenegro, 1867, Erber") in St. Petersburg Zool. Inst. (designated here, in order to ensure the name's proper and consistent use). – Distribution: Europe: YU.

astrabada Skorikov, 1927 (*Myrmilla*): Ezhegodnik Zool. Mus. AN SSSR 28(1): 39, ♀, type locality: Shaku, Elburs (Iran, between Gorgan and Shah-rud), holotype in St. Petersburg Zool. Inst. – Distribution: Asia: Iran.

bilobicornis Skorikov, 1927 (*Myrmilla*, as variety of *corniculata*): Ezhegodnik Zool. Mus. AN SSSR 28(1): 35, ♀, type locality: "Astrabad" (=Gorgan, Iran), lectotype in St. Petersburg Zool. Inst. (designated by Lelej, 1985: 101). – Distribution: Asia: TU, Iran.

calva (Villers, 1789) (*Mutilla*): Caroli Linnaei Entomologica: 343, fig. 33, ♀, type locality: Marseilles (France), syntypes not found. – Distribution: Europe: A, CZ, SL, H, A, D, CH, R, AL, Slovenia, Croatia, BH, YU, Macedonia, BG, GR, I, F, E, P; Asia: TR; North Africa: Morocco, Tunisia, Libya, Egypt.

calva (Fabricius, 1798) (*Mutilla*, nom. praeocc., non Villers, 1789): Suppl. entomol. syst.: 282, ♀, type locality: "in Gallia" (France), lectotype in Copenhagen Univ. Zool. Mus. (designated by Petersen, 1988: 156). Synonymized by Morawitz, 1865: 120.

triareolata (Spinola, 1841) (*Mutilla*): Annls Soc. entom. Fr. 10: 97, ♂, type locality: Sicily (Italy), holotype in Mus. Zool. Univ. Torino. Synonymized by Sichel and Radoszkowski, 1869: 17.

distincta (Lepeletier, 1845) (*Mutilla*): Hist. nat. ins. Hymen. 3: 606, ♀, type locality: "Environs de Paris" (France), syntypes in Mus. Nat. d'Hist. Natur., Paris. Synonymized by Morawitz, 1865: 121.

agrestis (Lepeletier, 1845) (*Mutilla*): Hist. nat. ins. Hymen. 3: 605, ♀, type locality: "Midi d'Europe", syntypes in Mus. Nat. d'Hist. Natur., Paris. Synonymized by Morawitz, 1865: 121.

incompleta (Lepeletier, 1845) (*Mutilla*): Hist. nat. ins. Hymen. 3: 609, ♂, type locality: not given (South Europe), syntypes unknown. Synonymized by Morawitz, 1865: 121.

hastata (Costa, 1858) (*Rudia*): Fauna regno Napoli: 9, tab. 24, fig. 5, ♂. type locality: Terra d'Otranto (Italy), syntypes in Mus. Zool. Univ. Napoli. Synonymized by Morawitz, 1865: 121.

andalusiana Skorikov, 1927 (*Myrmilla*, as variety of *calva*): Ezhegodnik Zool. Mus. AN SSSR 28(1): 37, ♀, type locality: Andalusia (Spain), syntypes in St. Petersburg Zool. Inst. **New Synonymy**.

seminigra Hoffer, 1938 (*Myrmilla*, as forma of *calva*): Sbornik ent. odd. Nar. Mus. Praze 18: 181, ♂, type locality: "Hady u Brna" (Czechia), holotype probably in Praha Narodni Muz. **New Synonymy**.

perparvula Invrea, 1958 (*Myrmilla*, as forma of *calva*): Boll. Soc. Ent. Ital. 88(9/10): 143, ♀, type locality: Albania, Scutari; holotype in Genova Mus. Civ. Stor. Natur. **New Synonymy**.

semirubra Nonveiller, 1972 (*Myrmilla*, as forma of *calva*): Acta entom. Jugosl. 7(2): 5, ♀, type locality: Crete, Iraclion (Greece), syntypes in Nonveiller's coll., Zemun. Invalid according to article 15.2 of ICZN.

caucasica (Kolenati, 1846) (*Mutilla*): Meletemata entomologica 5: 121, ♀, type locality: "in locis ... Caucasi", syntypes probably lost. – Distribution: Europe: U; Russia: SET; Asia: GE, AZ, ARM, TR, Iran.

jasonia Skorikov, 1927 (*Myrmilla*): Ezhegodnik Zool. Mus. AN SSSR 28(1): 36, ♀, type locality: Derbent, Daghestan (Russia: north Caucasus), lectotype in St. Petersburg Zool. Inst. (designated by Lelej, 1985: 99). Synonymized by Lelej, 1985: 99.

kiritschenkoi Skorikov, 1927 (*Myrmilla*): Ezhegodnik Zool. Mus. AN SSSR 28(1): 36, ♀, type locality: Belbek (Crimea, Ukraine), lectotype in St. Petersburg Zool. Inst. (designated by Lelej, 1985: 99). Synonymized by Lelej, 1985: 99.

corniculata (Sichel et Radoszkowski, 1869) (*Mutilla*): Horae Soc. Ent. Ross. 6(1/2): 163, ♀, type locality: "France meridionale, Grece, Syra, Corfou, Caucase, Crimee, Anatolie", syntypes in Krakow Inst. Syst. Exper. Zool. and Zool. Muz. Berlin. – Distribution: Europe: ?F (south), GR; Asia: Syria, Palestine, TR, Iran.

corniculata (Gerstaecker, 1862) (*Mutilla*): Arch. Naturgesch. 28(2): 423. type locality: Crimea (Ukraine). Nomen nudum.

corniculatina Skorikov, 1927 (*Myrmilla*): Ezhegodnik Zool. Mus. AN SSSR 28(1): 37, ♀, type locality: "Tinos, Graecia", holotype in St. Petersburg Zool. Inst. – Distribution: Europe: GR.

doumerguei (André, 1901) (*Mutilla*): Spec. Hymen. d'Eur. et d'Alg. 8: 190, ♀, type locality: "El Kreider, Algerie", syntypes in Mus. Nat. d'Hist. Natur. Paris. – Distribution: Europe: ?R; North Africa: Algeria.

edentata Skorikov, 1927 (*Myrmilla*): Ezhegodnik Zool. Mus. AN SSSR 28(1): 40, ♀, type locality: "Samarkand, Ak-Darja" (Uzbekistan), lectotype in St. Petersburg Zool. Inst. (designated by Lelej, 1985: 105). – Distribution: Asia: KZ (south), UZ, TJ.

kumakana Skorikov, 1935 (*Myrmilla*): Tr. Tadzh. basy AN SSSR 5: 288, ♀, type locality: Kumak, north-west Bukhara (Uzbekistan), lectotype in St. Petersburg Zool. Inst. (designated by Lelej, 1985: 105). Synonymized by Lelej, 1985: 105.

medoides Skorikov, 1935 (*Myrmilla*): Tr. Tadzh. basy AN SSSR 5: 286, ♀, type locality: Katta-Ming, Samarkand (Uzbekistan), holotype in St. Petersburg Zool. Inst. Synonymized by Lelej, 1985: 105.

erythrocephala (Latreille, 1792) (*Mutilla*): Act. Soc. Hist. Nat. Paris 1: 8, ♀, type locality: Provence, France, syntypes in Mus. Nat. d'Hist. Natur. Paris. – Distribution: Europe: A, CZ, SL, H, Croatia, YU, Macedonia, BG, GR, I, F (south), E, P; Asia: CY, Lebanon, Palestine; North Africa: Tunisia, Egypt.

latreillei (Meyer, 1794) (*Mutilla*): Zool. annal. 1: 265, type locality: Provence, France, syntypes in Mus. Nat. d'Hist. Natur. Paris. Synonymized by Morawitz, 1865: 118.

cornuta (Olivier, 1811) (*Mutilla*): Encyclopedie methodique 8: 64, ♀, type locality: Greece, syntypes probably in Mus. Nat. d'Hist. Natur., Paris. Synonymized by André, 1901: 183.

megacephala (Costa, 1858) (*Rudia*): Fauna regno Napoli: 8, ♀, ♂, type locality: "Terra d'Ortranto" (Italy), syntypes in Mus. Zool. Univ. Napoli. Synonymized by André, 1903: 445.

bison (Costa, 1887) (*Mutilla*): Rc. Accad. Sci. fis. mat., Napoli 2(1): 243 ♀, type locality: "Sicilia, adiacenze di Girgenti" (Italy), syntypes in Mus. Zool. Univ. Napoli. Synonymized by De Stefani, 1897: 80.

etzchmiadzini (Radoszkowski, 1885) (*Mutilla*): Horae Soc. Ent. Ross. 19(1/2): 45, ♀, type locality: Etchmiadzin (Armenia), syntypes in Krakow Inst. Syst. Exper. Zool. – Asia: AZ, ARM.

armeniaca Skorikov, 1927 (*Myrmilla*, as subspecies of *calva*): Ezhegodnik Zool. Mus. AN SSSR 28(1): 36, ♀, type locality: Armenia, near Ereven, lectotype in St. Petersburg Zool. Inst. (designated by Lelej, 1985: 99). Synonymized by Aliev and Lelej, 1999: 44.

jakobsoni Skorikov, 1927 (*Myrmilla*): Ezhegodnik Zool. Mus. AN SSSR 28(1): 40, ♀, type locality: station Golodnaya step (=Gulistan, Uzbekistan), lectotype in St. Petersburg Zool. Inst. (designated by Lelej, 1985: 103). – Distribution: Asia: KZ (south), UZ.

longicapitata Skorikov, 1935 (*Myrmilla*): Tr. Tadzh. basy AN SSSR 5: 286, ♀, type locality: station Milyutinskaya (near Gallya-Aral, Uzbekistan), holotype in St. Petersburg Zool. Inst. Synonymized by Lelej, 1985: 103.

kabulensis Lelej, 1980 (*Myrmilla*): Entom. Obozr. 59(1): 183, ♀, type locality: "Afghanistan, province Vardak, Tshak-i-Vardak", holotype in St. Petersburg Zool. Inst. – Distribution: Asia: Afghanistan.

labecea Nagy, 1968 (*Myrmilla*): Boll. Soc. entom. Ital. 98(3-6): 68, ♀, type locality: "Cluj" (Romania), holotype in Nagy's coll. – Distribution: Europe: R.

lezginica (Radoszkowski, 1885) (*Mutilla*): Horae Soc. Ent. Ross. 19(1/2): 16, ♀ non ♂, type locality: Daghestan (Russia: north Caucasus), syntypes in Krakow Inst. Syst. Exper. Zool. – Distribution: Europe: GR, YU, Macedonia, BG, R, U; Russia: SET; Asia: GE, AZ, UZ, TU, Syria, Palestine, TR, Iran.

subcornuta (Morawitz, 1893) (*Mutilla*): Horae Soc. Ent. Ross. 27(3/4): 393, ♀, type locality: "Urgut" (Uzbekistan), lectotype in St. Petersburg Zool. Inst. (designated by Lelej, 1985: 101). Synonymized by Lelej, 1985: 101.

nigrifrons (André, 1901) (*Mutilla*, as variety of *lezginica*): Spec. Hymen. d'Eur. et d'Alg. 8: 188, ♀, type locality: "Syrie", syntypes in Mus. Nat. d'Hist. Natur. Paris. – Distribution: Asia: Syria.

kokujevi Skorikov, 1927 (*Myrmilla*): Ezhegodnik Zool. Mus. AN SSSR 28(1): 39, ♀, type locality: Mikenzevy gory, Sevastopol, Crimea (Ukraine), lectotype in St. Petersburg Zool. Inst. (designated by Lelej, 1985: 101). Synonymized by Lelej, 1978: 79.

susiana Skorikov, 1927 (*Myrmilla*): Ezhegodnik Zool. Mus. AN SSSR 28(1): 39, ♀, type locality: urotshishtshe Gamdalkal, Arabistan (Iran), lectotype in St. Petersburg Zool. Inst. (designated by Lelej, 1985: 101). Synonymized by Lelej, 1985: 101.

macrura Nagy, 1968 (*Myrmilla*): Boll. Soc. entom. Ital. 98(3-6): 65, ♀, type locality: "Cluj" (Romania), holotype in Nagy's coll. – Distribution: Europe: R.

menozzii Invrea, 1950 (*Myrmilla*): Mem. Soc. entom. Ital. 29: 20, ♀, type locality: "Gerico" (Palestine), holotype in Inst. Ent. Univ. Bologna. – Distribution: Asia: Palestine.

mutica (André, 1903) (*Mutilla*, as variety of *erythrocephala*): Spec. Hymen. d'Eur. et d'Alg. 8: 433, ♀, type locality: "Dalmatia, Istrie, Moree, Caucase, Egypte", syntypes in Mus. Nat. d'Hist. Natur. Paris. – Distribution: Europe: R, Croatia, BH, YU, Macedonia, GR, I; North Africa: Egypt.

ecornuta Skorikov, 1927 (*Myrmilla*): Ezhegodnik Zool. Mus. AN SSSR 28(1): 37, ♀, type locality: "Corfu" (=Kerkira, Greece), holotype in St. Petersburg Zool. Inst. Synonymized by Lelej, 1985: 100.

hamata Skorikov, 1927 (*Myrmilla*, as variety of *corniculata*): Ezhegodnik Zool. Mus. AN SSSR 28(1): 37, ♀, type locality: Greece, lectotype in St. Petersburg Zool. Inst. (designated by Lelej, 1985: 100). Synonymized by Lelej, 1985: 100.

propodealis Skorikov, 1935 (*Myrmilla*): Tr. Tadzh. basy AN SSSR 5: 289, ♀, type locality: river Tuyuk (Kyrgyzstan, Kyrgyz Range), lectotype in St. Petersburg Zool. Inst. (designated by Lelej, 1985: 104). – Distribution: Asia: KZ (south-east), KY, China: NW (Xinjiang).

shnitnikovi Skorikov, 1935 (*Myrmilla*): Tr. Tadzh. basy AN SSSR 5: 289, ♀, type locality: river Tuyuk (Kyrgyzstan, Kyrgyz Range), lectotype in St. Petersburg Zool. Inst. (designated by Lelej, 1985: 104). Synonymized by Lelej, 1985: 104.

rostriformis Lelej, 1980 (*Myrmilla*): Entom. Obozr. 59(1): 186, ♀, type locality: "Afghanistan, province Gazni, Alagzar NW of Mukur, 2250 m", holotype in St. Petersburg Zool. Inst. – Distribution: Asia: Afghanistan (east).

saharae (Cockerell, 1907) (*Mutilla*): Entomologist 40(526): 50. New name for *Mutilla fasciata* Klug, 1829. – Distribution: North Africa: Egypt.

fasciata (Klug, 1829) (*Mutilla*, nom. praeocc., non Olivier, 1811): Symb. phys. Dec. 1: tab. 4, fig. 6, ♀, type locality: "Prope Saccharum in area capta" (Egypt), syntypes in Zool. Mus. Berlin.

sarta Skorikov, 1927 (*Myrmilla*): Ezhegodnik Zool. Mus. AN SSSR 28(1): 39, ♀, type locality: "Mullya-Vulgan – Ilbe-Kuybak, Dzhizak" (Uzbekistan), lectotype in St. Petersburg Zool. Inst. (designated by Lelej, 1977: 530). – Distribution: Asia: KZ (south), TU, UZ, TJ, Mongolia.

schmiedeknechti (André, 1903) (*Mutilla*): Spec. Hymen. d'Eur. et d'Alg. 8: 436, ♂, type locality: "Tourrah" (Egypt), holotype in Naturhist. Mus. Wien. – Distribution: North Africa: Egypt.

tadzhikistanica Lelej, 1985 (*Myrmilla*): Osy-nemki fauny SSSR: 96 (key), 103 (description), ♀, type locality: "Dushanbe" (Tajikistan), holotype in St. Petersburg Zool. Inst. – Distribution: Asia: KY, TJ.

variolosa Skorikov, 1935 (*Myrmilla*): Tr. Tadzh. basy AN SSSR 5: 288, ♀, type locality: Kulyab (Tajikistan), lectotype in St. Petersburg Zool. Inst. (designated by Lelej, 1985: 105). – Distribution: Asia: UZ, TJ.

zarudnyi Skorikov, 1927 (*Myrmilla*): Ezhegodnik Zool. Mus. AN SSSR 28(1): 38, ♀, type locality: "Neyzar, Seistan, mouth of Hilmend [Helmand]" (Iran), lectotype in St. Petersburg Zool. Inst. (designated by Lelej, 1995: 5). – Distribution: Asia: Iran, India (Rajasthan).

Subgenus *Pseudomutilla* Costa, 1885

Pseudomutilla Costa, 1885: Rc. Accad. Sci. fis. mat., Napoli 23: 169. Type species: *Pseudomutilla sardiniensis* Costa, 1885 (=*Mutilla capitata* Lucas, 1849) (monobasic).

Edrionotus Radoszkowski, 1885: Horae Soc. Ent. Ross. 19(1/2): 33. Type species: *Mutilla capitata* Lucas, 1849 (designated by Ashmead, 1903: 332). Synonymized by André, 1903: 24.

atalanta Nagy, 1967 (*Myrmilla*): Boll. Soc. entom. Ital. 97(3-4): 52, ♂, ♀, type locality: "Agigea, Dobroutcha" (Romania), holotype ♂ in Nagy's coll. – Distribution: Europe: R; Asia: TR.

badchysiana Lelej, 1980 (*Myrmilla*): Entom. Obozr. 59(1): 184, ♀, type locality: Badkhyz reserve (Turkmenistan), holotype in St. Petersburg Zool. Inst. – Distribution: Asia: TU, TJ, Afghanistan.

bytinskii Invrea, 1965 (*Myrmilla*): Mem. Soc. entom. Ital. 44: 65, ♀, type locality: "Revivim (Palestine), holotype in Bytinski Salz's coll. (Univ. Tel Aviv). – Distribution: Asia: Palestine.

capitata (Lucas, 1849) (*Mutilla*): Explor. sci. de l'Alg. 3: 290, ♂, type locality: "Lacalle" (Algeria), syntypes in Mus. Nat. d'Hist. Natur. Paris. – Distribution: Europe: H, A, YU, BG, GR, I, F (south), E, P; Asia: Syria; North Africa: Morocco, Algeria, Tunisia, Libya, Egypt.

parvicollis (Costa, 1860) (*Mutilla*): Fauna regno Napoli: 35, ♀, type locality: "Calabria ulteriore" (Italy), syntypes in Mus. Zool. Univ. Napoli. Synonymized by Morawitz, 1865: 118.

sardiniensis (Costa, 1885) (*Pseudomutilla*): Rc. Accad. Sci. fis. mat., Napoli 23: 169, ♂, type locality: not given (Sardinia, Italy), syntypes in Mus. Zool. Univ. Napoli. Synonymized by Costa, 1887: 157.

olcesei (Tournier, 1895) (*Mutilla*): Bull. Soc. Entom. France: 48, ♀, type locality: Tanger (Morocco), syntypes probably in Mus. d'Hist. Natur. Geneve. Synonymized by Suárez, 1958: 110.

robustior (André, 1901) (*Mutilla*, as variety of *capitata*): Spec. Hymen. d'Eur. et d'Alg. 8: 192, ♀, type locality: "Biskra, Batna" (Algeria), syntypes in Mus. Nat. d'Hist. Natur. Paris. – Distribution: North Africa: Algeria.

cyrenaica Invrea, 1950 (*Myrmilla*): Mem. Soc. entom. Ital. 29: 20, ♀, type locality: "Agedabia, Cirenaica" (Libya), holotype in Genova Mus. Civ. Stor. Natur. – Distribution: North Africa: Libya.

filippovi Lelej, 1985 (*Myrmilla*): Osy-nemki fauny SSSR: 96 (key), 103 (description), ♀, type locality: Turkey, Mersina, holotype in Zool. Mus. Moscow Univ. – Distribution: Asia: TR.

glabrata (Fabricius, 1775) (*Mutilla*): Systema entomologiae: 398, ♂, type locality: "Habitat in Oriente" (? Egypt), holotype in Copenhagen Univ. Zool. Mus. – Distribution: Europe: A, H, R, BG, YU, Macedonia, GR, U; Russia: SET; Asia: KZ, UZ, TR, Syria.

ciliata (Fabricius, 1793) (*Mutilla*): Entomologia systematica 2: 371, ♂, type locality: "Habitat Halae Saxonum" (actually Hungary), lectotype in Copenhagen Univ. Mus. (designated by Petersen, 1988: 156). Synonymized by Petersen, 1988: 156.

fraterna (Baer, 1848) (*Mutilla*): Bull. Soc. Imp. Natur. Moscou 21(1): 230, ♀, type locality: "prope Gluchov" (Ukraine, Sumy region), syntypes not found. Synonymized by Morawitz, 1865: 118.

cephalica (Sichel et Radoszkowski, 1869) (*Mutilla*): Horae Soc. Ent. Ross. 6(3): 166, ♀, type locality: Saratov (Russia), lectotype in Mus. Nat. d'Hist. Natur. Paris (designated by Petersen, 1988: 162). Synonymized by Petersen, 1988: 161.

sarmatica Skorikov, 1927 (*Myrmilla*): Ezhegodnik Zool. Mus. AN SSSR 28(1): 41, ♀, type locality: Kerch, Crimea (Ukraine), lectotype in St. Petersburg Zool. Inst. (designated by Lelej, 1985: 106). Synonymized by Lelej, 1978: 79.

beljgovskii Skorikov, 1927 (*Myrmilla*, as variety of *sarmatica*): Ezhegodnik Zool. Mus. AN SSSR 28(1): 41, ♀, type locality: Brusnya, Poltava uezd (Ukraine), lectotype in St. Petersburg Zool. Inst. (designated by Lelej, 1985: 106). Synonymized by Lelej, 1985: 106.

kochi Invrea, 1950 (*Myrmilla*): Mem. Soc. entom. Ital. 29: 19, ♀, type locality: "Tagiura, Tripolitania" (Libya), holotype in Genova Mus. Civ. Stor. Natur. – Distribution: North Africa: Libya.

lagmana Lelej, 1980 (*Myrmilla*): Entom. Obozr. 59(1): 185, ♀, type locality: Afghanistan, province Lagman, Shamakat, 1200 m, holotype in St. Petersburg Zool. Inst. – Distribution: Asia: Afghanistan.

mateui Giner, 1945 (*Myrmilla*): Eos 21: 248, ♀, type locality: "Magder Ruzis" (Western Sahara), holotype in Madrid Inst. Español Ent. – Distribution: North Africa: Western Sahara .

mauritanica Invrea, 1953 (*Myrmilla*): Bull. Soc. Sci. Natur. Maroc. 32: 274, ♀, type locality: "Adagir" (Morocco), syntypes in Genova Mus. Civ. Stor. Natur. – Distribution: North Africa: Morocco.

mavromoustakisi Hammer, 1950 (*Myrmilla*): Soc. Sci. Fenn. Comm. Biol. 10(13): 10, ♀, ♂, type locality: "Limassol" (Cyprus), holotype in Nat. Hist. Mus. Wien. – Distribution: Asia: CY.

meda Skorikov, 1927 (*Myrmilla*): Ezhegodnik Zool. Mus. AN SSSR 28(1): 36, ♀, type locality: Astrabad (=Gorgan), (Iran), lectotype in St. Petersburg Zool. Inst. (designated by Lelej, 1985: 108). – Distribution: Russia: SET (Daghestan); Asia: AZ, TU, Iran (north).

appropinqua Skorikov, 1927 (*Myrmilla*): Ezhegodnik Zool. Mus. AN SSSR 28(1): 41, ♀, type locality: Derbent (Russia: Daghestan), lectotype in St. Petersburg Zool. Inst. (designated by Lelej, 1985: 108). Synonymized by Lelej, 1985: 108.

moralesi Giner, 1945 (*Myrmilla*): Eos 21: 249, ♀, type locality: "Rod el Hasch" (Western Sahara), holotype in Madrid Inst. Español Ent. – Distribution: North Africa: Western Sahara.

praetermissa Skorikov, 1927 (*Myrmilla*): Ezhegodnik Zool. Mus. AN SSSR 28(1): 41, ♀, type locality: "Lagouat" (Algeria), lectotype in St. Petersburg Zool. Inst. (designated here, in order to ensure the name's proper and consistent use). – Distribution: North Africa: Algeria, Tunisia.

skorikovi Lelej, 1985 (*Myrmilla*): Osy-nemki fauny SSSR: 109. New name for *Myrmilla meda caucasica* Skorikov, 1927. – Distribution: Russia: SET Asia: AZ, GE.

caucasica Skorikov, 1927 (*Myrmilla*, as subspecies of *meda*; nom. praeocc., non Kolenati, 1846): Ezhegodnik Zool. Mus. AN SSSR 28(1): 36, ♀, type locality: Lagodechi (Georgia), lectotype in St. Petersburg Zool. Inst. (designated by Lelej, 1985: 109). Synonymized by Lelej, 1985: 109.

tenuitruncata Skorikov, 1935 (*Myrmilla*): Tr. Tadzh. basy AN SSSR 5: 288, ♀, type locality: Kshtut, Bucara, 2800 m (Tajikistan), lectotype in St. Petersburg Zool. Inst. (designated by Lelej, 1985: 108). – Distribution: Asia: TJ.

troodosica Hammer, 1950 (*Myrmilla*): Soc. Sci. Fenn. Comm. Biol. 10(13): 12, ♀, type locality: "Troodos" (Cyprus), holotype in Zool. Muz. Helsinki Univ. – Distribution: Asia: CY.

vutshetitschi Skorikov, 1927 (*Myrmilla*): Ezhegodnik Zool. Mus. AN SSSR 28(1): 41, ♀, type locality: Cape Manganam near Tokluk, Crimea (Ukraine), lectotype in St. Petersburg Zool. Inst. (designated by Lelej, 1985: 107). – Distribution: Europe: A, R, BG, GR, U; Asia: TR, Syria.

kusdasi Invrea, 1965 (*Myrmilla*, as subspecies of *capitata*): Boll. Soc. entom. Ital. 95(5-6): 73, ♂, ♀, type locality: "Vienna, Guntramsdorf" (Austria), holotype in Kusdas's coll., Munchen. Synonymized by Petersen, 1988: 163.

15. Genus *Myrmotilla* Bischoff, 1920

Myrmotilla Bischoff, 1920: Arch. Naturgesch. 86A(1-3): 26 (key), 84 (description). Type species: *Mutilla lucasi* Sichel et Radoszkowski, 1870 (=*Myrmotilla lucasiella* nom. n.) (original designation).

lucasiella Lelej, nom. n. New name for *Mutilla lucasi* Sichel et Radoszkowski, 1870. – Distribution: North Africa: Algeria, Tunisia.

lucasi (Sichel et Radoszkowski, 1870) (*Mutilla*, nom. praeocc., non Smith, 1855): Horae Soc. Ent. Ross. 6(4): 199, ♀, type locality: Tlemcen (Algeria), syntypes in Mus. Nat. d'Hist. Natur. Paris and Krakow Inst. Syst. Exper. Zool.

16. Genus *Odontotilla* Bischoff, 1920

Odontotilla Bischoff, 1920: Arch. Naturgesch. 86A(1-3): 26 (key), 70 (description). Type species: *Myrmilla bidentata* André, 1905 (original designation). [Not Palaearctic].

Subgenus *Conjunctotilla* Nonveiller, 1996

Conjunctotilla (as subgenus of *Odontotilla* Bischoff, 1920) Nonveiller, 1996: Ann. Soc. Entom. Fr. (N.S.) 32(3): 330. Type species: *Odontotilla conjuncta* (Klug, 1829) (original designation).

conjuncta (Klug, 1829) (*Mutilla*): Symb. phys. Dec. 1: tab. 4, fig. 5, ♀, type locality: Ambukohl (=Ambigol) (Sudan, near Korti), syntypes in Zool. Mus. Berlin. – Distribution: Asia: Palestine, Arabia, Yemen; Africa: Egypt, Sudan, Chad, Ethiopia, Eritrea, Niger, Mauritania.

17. Genus *Platymyrmilla* André, 1900

Platymyrmilla (as subgenus of *Mutilla* Linnaeus, 1758) André, 1900: Spec. Hymen. d'Eur. et d'Alg. 8: 130. Type species: *Mutilla quinquefasciata* Olivier, 1811 (monobasic).

quinquefasciata (Olivier, 1811) (*Mutilla*): Encyclopedie methodique 8: 60, ♀, type locality: "en Arabie en Perse" (Iran), syntypes in Mus. Nat. d'Hist. Natur. Paris. – Distribution: Europe: H, R, Macedonia, GR, MO; Asia: GE, ARM, AZ, Palestine, Syria, TR, Iran, Iraq.

18. Genus **Sigilla** Skorikov, 1927

Sigilla (as subgenus of *Myrmilla* Wesmael, 1852) Skorikov, 1927: Ezhegodnik Zool. Mus. AN SSSR 28(1): 35. Type species: *Mutilla dorsata* Fabricius, 1798 (monobasic).

angelae Suárez, 1958 (*Sigilla*): Mem. Soc. entom. Ital. 37: 111, ♀, type locality: "Sahara Argelino, Beni Abbes" (Algeria), holotype in Suárez's coll., Almeria. – Distribution: North Africa: Algeria.

dorsata (Fabricius, 1798) (*Mutilla*): Suppl. entomol. syst.: 281, ♀, type locality: "Habitat in Americae Insulis", actually "Genes" (Italy, Genova), holotype in Bosc's coll., Paris. – Distribution: Europe: I, Monaco, F (south), E; North Africa: Morocco, Algeria, Tunisia, Libya, Egypt.

excoriata (Lepeletier, 1845) (*Mutilla*): Hist. nat. ins. Hymen. 3: 615, ♀, type locality: Montpellier (southern France), syntypes in Mus. Nat. d'Hist. Natur. Paris. Synonymized by Sichel and Radoszkowski, 1870: 206.

spinolae (Lepeletier, 1845) (*Mutilla*): Hist. nat. ins. Hymen. 3: 640, ♀, type locality: Oran (Algeria), syntypes in Torino Mus. Reg. Sci. Natur. Synonymized by Morawitz, 1865: 118.

punctum (Lepeletier, 1845) (*Mutilla*): Hist. nat. ins. Hymen. 3: 639, ♀, type locality: Egypt, syntypes probably in Torino Mus. Reg. Sci. Natur. Synonymized by Sichel and Radoszkowski, 1870: 206.

affinis (Lucas, 1849) (*Mutilla*, nom. praeocc., non Westwood, 1843): Explor. Sci. de l'Alg. 3: 292, ♂, type locality: Constantine (Algeria), syntypes in Mus. Nat. d'Hist. Natur. Paris. Synonymized by André, 1898: 67.

cognata (Smith, 1855) (*Mutilla*): Cat. Hymen. 3: 13. New name for *Mutilla affinis* Lucas, 1849. Synonymized by Morawitz, 1865: 127.

calcariventris (Sichel et Radoszkowski, 1870) (*Mutilla*): Horae Soc. Ent. Ross. 6(4): 265, ♂, type locality: "Montpellier, Algerie" (southern France, Algeria), syntypes in Mus. Nat. d'Hist. Natur. Paris. Synonymized by Petersen, 1988: 159.

19. Genus **Spilomutilla** Ashmead, 1903

Spilomutilla Ashmead, 1903: Can. Entom. 35: 324. Type species: *Mutilla perfecta* Sichel et Radoszkowski, 1870 (original designation).

perfecta (Sichel et Radoszkowski, 1870) (*Mutilla*): Horae Soc. Ent. Ross. 6(4): 278, ♂, type locality: "Perse meridionale" (southern Iran), holotype in Krakow Inst. Syst. Exper. Zool. – Distribution: Asia: Iran (south).

VI. Subfamily MUTILLINAE Latreille, 1802

Tribe Mutillini Latreille, 1802

20. Genus *Ctenotilla* Bischoff, 1920

Ctenotilla Bischoff, 1920: Arch. Naturgesch. 86A(1-3): 28. Type species: *Mutilla pectinifera* André, 1893 (=*Mutilla caeca* Radoszkowski, 1879) (original designation).

caeca (Radoszkowski, 1879) (*Mutilla*): Horae Soc. Ent. Ross. 15: 150, ♂, type locality: "Caucasus", holotype in Krakow Inst. Syst. Exper. Zool. – Distribution: Europe: U (Crimea), R, BG, GR, Croatia, YU, Macedonia; Asia: ARM, AZ, TR, Iran, Syria.

pectinifera (André, 1893) (*Mutilla*): Mem. Soc. Zool. France 6: 295, ♀, type locality: "Greece", syntypes in Mus. d'Hist. Natur. Paris. – Synonymized by Lelej, 1978: 81.

obscura Nonveiller, 1959 (*Ctenotilla*, as variety of *pectinifera*): Fragm. balcan. 2(21): 178, ♂, type locality: "Karadagly" (Azerbaijan), holotype in St. Petersburg Zool. Inst. Synonymized by Lelej, 1985: 167.

21. Genus *Macromyrme* Lelej, 1984

Macromyrme Lelej, 1984: Entom. Obozr. 63(4): 827. Type species: *Mutilla binotata* Radoszkowski, 1880 (original designation).

binotata (Radoszkowski, 1879) (*Mutilla*): Horae Soc. Ent. Ross. 15: 150, ♀, type locality: "Caucasus", holotype in Krakow Inst. Syst. Exper. Zool. – Distribution: Asia: GE, ARM, AZ, Iran (north-west), TR (Ararat Mt.).

araratica (Radoszkowski, 1890) (*Mutilla*): Horae Soc. Ent. Ross. 24(3/4): 507, ♀, type locality: Ararat Mt. (Turkey), syntypes in Krakow Inst. Syst. Exper. Zool. – Synonymized by Lelej, 1984: 828.

sinuata (Olivier, 1811) (*Mutilla*): Encyclopedie methodique 8: 58, ♀, type locality: "en Perse, aux environs de Kermanshah" (Iran), syntypes in Mus. Nat. d'Hist. Natur. Paris. – Distribution: Asia: Iran (west), Syria, Lebanon, Palestine, CY; TR (Ararat Mt.) North Africa: Morocco.

villosa (Klug, 1829) (*Mutilla*): Symb. phys. Dec. 1: tab. 4, fig. 12, ♀, type locality: "ex Syria", syntypes in Zool. Mus. Berlin. – Synonymized by Sichel and Radoszkowski, 1870: 237.

22. Genus *Mutilla* Linnaeus, 1758

Mutilla Linnaeus, 1758: *Systema naturae*: 582. Type species: *Mutilla europaea* Linnaeus, 1758 (designated by Latreille, 1810: 437).

[caucasica] Radoszkowski, 1865 (*Mutilla*, nom. praeocc. non Kolenati, 1846): Bull. Soc. Imper. Natur. Moscou 38(2): 459, ♂, type locality: "Caucasus", actually Australia, syntypes in Krakow Inst. Syst. Exper. Zool. – Synonymized with *Bothriomutilla rugicollis* (Westwood, 1843) by André, 1899: 29].

elbana Invrea, 1963 (*Mutilla*): Mem. Soc. entom. Ital. 42: 16, ♂, type locality: "Gebel Elba" (Egypt), holotype in Genova Mus. Civ. Stor. Natur. – Distribution: North Africa: Egypt.

erschoffii Sichel et Radoszkowski, 1870 (*Mutilla*): Horae Soc. Ent. Ross. 6(4): XIV, 308, ♀, type locality: "Astrabad" (=Gorgan) (Iran); syntypes in Krakow Inst. Syst. Exper. Zool. – Distribution: Asia: GE, ARM, AZ, TU, UZ, TJ, Iran (north), Afghanistan.

rugiceps Morawitz, 1890 (*Mutilla*): Horae Soc. Ent. Ross. 24: 633, ♀, type locality: "Transcaspia"; lectotype in St. Petersburg Zool. Inst. (designated by Lelej and Kabakov, 1980: 191). Synonymized by Lelej and Kabakov, 1980: 191.

bareyi Radoszkowski, 1893 (*Mutilla*): Horae Soc. Ent. Ross. 27(3/4): 492, ♀ non ♂, type locality: "Serax" (Iran), syntypes in Krakow Inst. Syst. Exper. Zool. Synonymized by Lelej, 1985: 163.

schulthessi André, 1893 (*Mutilla*): Mem. Soc. zool. France 6: 296, ♀, type locality: "Iran", syntypes in Mus. Nat. d'Hist. Natur., Paris. – Synonymized by André, 1903: 458.

europaea Linnaeus, 1758 (*Mutilla*): *Systema naturae*: 583, ♀, type locality: "in Suecia" (Sweden), syntypes probably lost. – Distribution: Europe: from Sweden and Finland to Spain; Russia: NET, CET, SET, South Ural, WS (south); Asia: KZ, TR; North Africa.

aptera Uddman, 1753 (*Apis*): *Novae insectorum species*: 47, fig. 17, ♀, type locality: Finland. Invalid according to article 3.2 of ICZN.

similis Harris, 1782 (*Mutilla*): *Exposition of English insects*: 166, ♂, ♀, type locality: Great Britain, syntypes unknown. Synonymized by André, 1903: 456.

schaefferi Schrank 1802 (*Mutilla*): *Fauna boica*: 408, type locality: Germany, syntypes unknown. Synonymized by André, 1903: 456.

coerulans Lepeletier, 1845 (*Mutilla*): *Hist. nat. ins. Hymen.* 3: 599, ♂, type locality: "midi de France", syntypes in Torino Mus. Reg. Sci. Natur. – Synonymized by Morawitz, 1865: 122.

cyanaea Lepeletier, 1845 (*Mutilla*): *Hist. nat. ins. Hymen.* 3: 600, ♂, type locality: "midi de France", syntypes in Torino Mus. Reg. Sci. Natur. – Synonymized by Morawitz, 1865: 122.

panzeri Lepeletier, 1845 (*Mutilla*): Hist. nat. ins. Hymen. 3: 602, ♂, type locality: "Pyrenees", syntypes probably in Mus. Nat. d'Hist. Natur., Paris. Synonymized by Morawitz, 1865: 122.

obscura Nylander, 1847 (*Mutilla*): Notiser ur saellskapets Fauna Flora Fenn., Forhandl. 1: 10, ♂, type locality: "in viciniis Helsingforiae" (Finland), "in Karelia" (Russia), syntypes in Zool. Mus. Helsinki Univ. Synonymized by Morawitz, 1865: 123.

kaschiriensis Baer, 1848 (*Mutilla*): Bull. Soc. Imp. Natur. Moscou 21(1): 228, ♂, type locality: "Habitat circa Kaschiram" (Russia: CET), syntypes not found. Synonymized by Morawitz, 1865: 123.

laevigata Sichel et Radoszkowski, 1870 (*Mutilla*): Horae Soc. Ent. Ross. 6(4): 177, tab. 7, fig. 2, ♀, type locality: "Isere" (South France); syntypes in Krakow Inst. Syst. Exper. Zool. Synonymized by André, 1899: 16.

notomelas André, 1902 (*Mutilla*): Spec. Hymen. d'Eur. et d'Alg. 8: 345, ♂, type locality: "Allemagne, Autriche, Russie" (Germany, Austria, Russia), syntypes probably in Mus. Nat. d'Hist. Natur., Paris. Synonymized by Lelej, 1985: 160.

rufula Hoffer, 1938 (*Mutilla*, as forma of *europaea*; nom. praeocc., non André, 1901): Sb. ent. Odd. nar. Mus. Praze 16: 185, ♂, type locality: "Brno" (Czechia), holotype probably in Praha Narodni Muz. **New Synonymy**.

nigrescens Hoffer, 1938 (*Mutilla*, as forma of *europaea*; nom. praeocc., non André, 1901): Sb. ent. Odd. nar. Mus. Praze 16: 185, ♀, type locality: "Praha" (Czechia), holotype probably in Praha Narodni Muz. **New Synonymy**.

ruficeps Hoffer, 1938 (*Mutilla*, as forma of *europaea*; nom. praeocc., non Smith, 1855): Sb. ent. Odd. nar. Mus. Praze 16: 185, ♀, type locality: "Praha" (Czechia), holotype probably in Praha Narodni Muz. **New Synonymy**.

[*kuschakewitzi* Radoszkowski, 1888 (*Mutilla*): Horae Soc. Ent. Ross. 22(3/4): 331, ♂, type locality: "Wiernoje" (=Alma-Ata) (Kazakhstan), actually Papua New Guinea, syntypes in Krakow Inst. Syst. Exper. Zool. Synonymized with *Trogaspidia nigra* (Smith, 1858) (nom. praeocc., non Rossi, 1792) by André, 1899: 29].

marginata Baer, 1848 (*Mutilla*): Bull. Soc. Imp. Natur. Moscou 21(1): 230, ♀, type locality: "Elisabetgrad" (Ukraine), syntypes not found. – Distribution: Europe: CZ, SL, D, A, CH, H, R, U, BG, I, E; Russia: NET, CET, SET, South Ural; Asia: GE, TR, Syria.

trifasciata Radoszkowski, 1865 (*Mutilla*): Bull. Soc. Imper. Natur. Moscou 38(2): 438, tab. 7, fig. 11, ♀, type locality: "Spassk" (Russia: South Ural), lectotype in St. Petersburg Zool. Inst. (designated by Lelej, 1985: 162). Synonymized by Morawitz, 1893: 98.

monstruosa André, 1901 (*Mutilla*, as variety of *marginata*): Spec. Hymen. d'Eur. et d'Alg. 8: 243, ♀, type locality: "Val de Bagnes" (France), holotype in Mus. Civ. Bern. – Distribution: Europe: F.

insueta Invrea, 1964 (*Mutilla*, as forma of *marginata*): Mutillidae-Myrmosidae: 110, ♂, type locality: Piemonte (Italy). Invalid according to articles 15.2 of ICBN.

mikado Cameron, 1900 (*Mutilla*): Mem. Proc. Manch. lit. phil. Soc. 44: 75, ♀, type locality: Japan, syntypes in London Brit. Mus. Nat. Hist. – Distribution: Russia: ES (south), FE (Amurskaya oblast, Khabarovskii krai, Primorskii krai); Asia: Korea, China (Gansu, Heilongjiang, Jilin, Neimenggu, Shanxi, Zhejiang), Japan (Hokkaido, Honshu, Kyushu).

maesta Chen, 1957 (*Mutilla*, as subspecies of *rugiceps*): Quart. J. Taiwan Mus. 10(3-4): 151, ♀, type locality: "Kirin, Kaolintze" (China, Heilongjiang), syntypes in Heude Mus. Shanghai. Synonymized by Lelej, 1985: 161.

panfilovi Lelej, 1981 (*Mutilla*): Taxonomiya nasekomykh: 76, ♀, type locality: Alma-Atinskaya oblast (Kazakhstan), holotype in St. Petersburg Zool. Inst. – Distribution: Russia: WS (Altai); Asia: KZ, KY, UZ (east), China: NW (Xinjiang).

quinquemaculata Cyrillo, 1787 (*Mutilla*): Entomologiae neapolitanae: tab. 7, fig. 2, ♀, type locality: "Apulia, Nicodemus" (Italy), syntypes unknown. – Distribution: Europe: E, F, I, M, Croatia, GR, U (Crimea); Asia: CY, Syria, Palestine, TR; North Africa: Algeria, Egypt.

quinquepunctata Olivier, 1811 (*Mutilla*): Encyclopedie methodique 8: 58, ♀, type locality: "dans le iles de l'Archipelag, en Egypt", syntypes probably in Mus. Nat. d'Hist. Natur., Paris. Synonymized by Morawitz, 1865: 118.

quadrinotata Klug, 1829 (*Mutilla*): Symb. phys. Dec. 1: tab. 4, fig. 4, ♀, type locality: "Aegypto" (Egypt), syntypes probably in Zool. Mus. Berlin. Synonymized by Morawitz, 1865: 118.

melanaria (André, 1898) (*Mutilla*, as variety of *quinquemaculata*; nom. praeocc., non Blanchard, 1849): Ann. Soc. entom. France 67: 5, ♀, type locality: "Egypt or Syria", holotype in Mus. d'Hist. Natur. Paris. – Distribution: Asia: ? Syria; North Africa: ? Egypt.

richterae Lelej, 1984 (*Mutilla*): Entom. Obozr. 63(4): 828, ♀, type locality: Armenia, holotype in St. Petersburg Zool. Inst. – Distribution: Asia: ARM, Iraq.

saltensis Radoszkowski, 1885 (*Mutilla*): Horae Soc. Ent. Ross. 19(1/2): 8, ♀, ♂, type locality: Daghestan (Russia: north Caucasus), syntypes in Krakow Inst. Syst. Exper. Zool. – Distribution: Russia: SET (Daghestan); Asia: GE, ARM, AZ, NW Iran, Iraq.

scorteccii Invrea, 1939 (*Mutilla*): Atti Soc. Ital. Sci. nat. e Museo civ. Stor. nat. Milano 79: 464, ♀, type locality: "El Barkat" (Libya), holotype in Genova Mus. Civ. Stor. Natur. – Distribution: North Africa: Libya.

23. Genus *Nanomyrme* Lelej, 1977

Nanomyrme Lelej, 1977: Entom. Obozr. 56(1): 195. Type species: *Nanomyrme turkmenensis* Lelej, 1977 (original designation).

turkmenensis Lelej, 1977 (*Nanomyrme*): Entom. Obozr. 56(1): 195, type locality: Badkhyz reserve (Turkmenistan), holotype in St. Petersburg Zool. Inst. – Distribution: Asia: TU.

24. Genus *Ronisia* Costa, 1858

Ronisia Costa, 1858: Fauna regno Napoli: 10. Type species: *Ronisia torosa* Costa, 1858 (=*Mutilla brutia* Petagna, 1787) (monobasic).

Pycnotilla Bischoff, 1920: Arch. Naturgesch. 86A(1-3): 182. Type species *Mutilla barbara* Linnaeus, 1758 (original designation). Synonymized by Invrea, 1952: 47.

barbara Linnaeus, 1758 (*Mutilla*): Systema naturae: 583, ♀, type locality: "Habitat in Mauritania", holotype in London Linnaean Soc. – Distribution: Europe: M; North Africa: Morocco, Algeria, Tunisia.

pervittata (André, 1902) (*Mutilla*, as variety of *barbara*): Spec. Hymen. d'Eur. et d'Alg. 8: 339, ♂, type locality: "Algeria", syntypes in Mus. Nat. d'Hist. Natur., Paris. – Distribution: North Africa: Algeria.

rubrinota (Invrea, 1958) (*Mutilla*, as forma of *barbara*): Boll. Soc. entom. Ital., 88(9-10): 144, ♀, type locality: "Fedhala" (Morocco), holotype in Genova Mus. Civ. Stor. Natur. – Distribution: North Africa: Morocco.

barbarula (Petersen, 1988) (*Mutilla*): Steenstrupia 14(6): 154, ♂, ♀, type locality: "France, Aude", holotype ♂ in Copenhagen Univ. Zool. Mus. – Distribution: Europe: F, E; North Africa: Morocco.

brutia (Petagna, 1787) (*Mutilla*): Specimen insectorum: 33, fig. 37, ♀, type locality: "in planis Silvae nobilis vulgo Aspromonte" (Italy), syntypes unknown. – Distribution: Europe: A, CZ, SL, D (south), F, I, M, Croatia, YU, Macedonia, GR, BG, TR, U; Russia: SET, South Ural; Asia: KZ (west), TU (Kopet-Dag), GE, ARM, AZ, Iran (north), TR, CY.

brutia brutia (Petagna, 1787). – Distribution: Europe: A, CZ, SL, D (south), F, I, M, Croatia, YU, Macedonia, GR, BG, TR, U; Russia: SET, South Ural; Asia: TR, KZ (west).

sexmaculata (Cyrillo, 1787) (*Mutilla*): Entomol. Neapolitanae: 5, tab. 8, fig. 8, ♀, type locality: "Apulia, Nicodemus" (Italy), syntypes not found. Synonymized by Sichel and Radoszkowski, 1870: 250.

hungarica (Fabricius, 1793) (*Mutilla*): Entomologia systematica 2: 369, ♀, type locality: "Habitat Halae Dom. Hybner", actually Hungary, syntypes in Copenhagen Univ. Zool. Mus. Synonymized by Petersen, 1988: 178.

confusa (Lepeletier, 1845) (*Mutilla*): Hist. nat. ins. Hymen. 3: 604, ♂, type locality: "Midi d'Europe", syntypes in Mus. Nat. d'Hist. Natur., Paris. Synonymized by Morawitz, 1865: 126.

monspeliensis (Lepeletier, 1845) (*Mutilla*): Hist. nat. ins. Hymen. 3: 616, ♀, type locality: "Montpellier" (France), syntypes in Torino Mus. Reg. Sci. Natur. Synonymized by Sichel and Radoszkowski, 1870: 250.

sexmaculata (Baer, 1848) (*Mutilla*, nom. praeocc., non Cyrillo, 1787): Bull. Soc. Imp. Natur. Moscou 21(1): 232, tab. 2, fig. 8, ♀, type locality: "Habitat circum Evisabetgrad" (Ukraine), syntypes probably lost. Synonymized by André, 1903: 459.

robusta (Smith, 1855) (*Mutilla*): Cat. Hymen. 3: 24, ♂, type locality: "New Holland", actually Europe, lectotype in London Brit. Mus. Nat. Hist. (designated by Brothers, 1983: 326). Synonymized by Brothers, 1983: 326.

torosa Costa, 1858 (*Ronisia*): Fauna regno Napoli: 11, tab. 23, fig. 4, ♂, type locality: "Terra d'Otranto" (Italy), syntypes in Mus. Zool. Univ. Napoli. Synonymized by Brothers, 1983: 326.

sericeiventris (Costa, 1864) (*Mutilla*): Ann. Mus. Zool. Univ. Napoli 2: 130, ♀, type locality: "Palermo" (Italy), syntypes in Mus. Zool. Univ. Napoli. Synonymized by Invrea, 1964: 121.

taurica (Radoszkowski, 1865) (*Mutilla*): Bull. Soc. Imper. Natur. Moscou 38(2): 454, tab. 8, fig. 7, ♂, type locality: "Crimee" (Ukraine), syntypes probably in Krakow Inst. Syst. Exper. Zool. Synonymized by André, 1903: 459.

discoidalis (Radoszkowski, 1865) (*Mutilla*): Bull. Soc. Imper. Natur. Moscou 38(2): 455, tab. 8, fig. 8, ♂, type locality: "Spassk" (Russia: South Ural), syntypes probably in Krakow Inst. Syst. Exper. Zool. Synonymized by André, 1903: 459.

morawitzii (Dalla Torre, 1897) (*Mutilla*): Cat. Hymen. 8: 64, ♂. New name for *Mutilla litoralis* sensu Morawitz, 1891. Type locality: "Astrakhan" (Russia), syntypes not found. Synonymized by André, 1903: 459.

brutia duplex (Radoszkowski, 1885) (*Mutilla*): Horae Soc. Ent. Ross. 19(1/2): 12, fig. 5, ♂, type locality: "Caucasus", lectotype in Zool. Mus. Berlin. (designated by Petersen, 1988: 149). – Distribution: Asia: TR, GE, ARM, AZ, Iran (north), TU (Kopet-Dag).

brutia minoensis Nonveiller, 1972 (*Ronisia*, as subspecies of *barbara*): Acta entom. Jugosl. 7(2): 5, ♀, type locality: "Iraklion, Crete" (Greece), holotype in Nonveiller's coll., Zemun. – Distribution: Europe: GR (Crete, Karpatos).

brutia valca (Petersen, 1988) (*Mutilla*): Steenstrupia 14(6): 149. New name for *Mutilla calva* Panzer, 1801. – Distribution: Asia: CY.

calva (Panzer, 1801) (*Mutilla*, nom. praeocc., non Villers, 1789): Faune Insectorum Germanicae oder Deutschlands insecten 80: tab. 20, ♀, type locality: "Habitat in sylvaticus Dom. Jurine", syntypes unknown.

ghilianii (Spinola, 1843) (*Mutilla*): Annls Soc. entom. Fr. 2(1): 130, ♂, type locality: "Andalousie" (Spain), lectotype in Mus. Zool. Univ. Torino. – Distribution: Europe: I (Sicily, Sardinia), F (south, Corsica), E, P; North Africa: Morocco.

differens Lepeletier, 1845 (*Mutilla*): Hist. nat. ins. Hymen. 3: 604, ♂, type locality: "Midi del'Europe", syntypes in Mus. Nat. d'Hist. Natur., Paris. Synonymized by André, 1903: 472.

decoratifrons (Costa, 1860) (*Mutilla*): Fauna regno Napoli: 31, tab. 25, fig. 2, ♀, type locality: "Calabria" (Italy), lectotype in Mus. Zool. Univ. Napoli (designated by Petersen, 1988: 152). Synonymized by Petersen, 1988: 151.

razzautii Invrea, 1957 (*Ronisia*, as forma of *barbara*): Mem. Soc. entom. Ital. 36: 192, ♀, type locality: "Gorgona" (Italy), holotype in Genova Mus. Civ. Stor. Natur. Synonymized with *decoratifrons* by Invrea, 1964: 123.

ambigua Invrea, 1964 (*Ronisia*, as forma of *barbara*): Mutillidae-Myrmidae: 126, ♂, type locality: "Corse, Sardinia, Lazio" (France, Italy). Invalid according to articles 15.2 of ICZN. Synonymized by Petersen, 1988: 151.

maculosa (Olivier, 1811) (*Mutilla*): Encyclopedie methodique 8: 58, ♀, type locality: "se trouve en Egypte" (Egypt), syntypes probably in Mus. Nat. d'Hist. Natur., Paris. – Distribution: Asia: Lebanon; North Africa: Egypt.

marocana (Olivier, 1811) (*Mutilla*): Encyclopedie methodique 8: 58, ♀, type locality: "se trouve a Mogador" (Morocco), holotype in Copenhagen Univ. Zool. Mus. – Distribution: Europe: I (Sicily), M, F, E, P; Asia: Israel, Jordan, Syria, TR; North Africa: Morocco, Algeria, Tunisia, Egypt.

novemguttata (Klug, 1835) (*Mutilla*): Reise d. Tirol 2: 94, ♀, type locality: "Lusitanien" (Portugal), lectotype in Zool. Mus. Berlin. (designated by Petersen, 1988: 154). Synonymized by Morawitz, 1865: 126.

octomaculata (Spinola, 1843) (*Mutilla*): Annls Soc. entom. Fr. 2(1): 129, ♀, type locality: Spain, syntypes probably lost. Synonymized by Morawitz, 1865: 126.

algira (Lepeletier, 1845) (*Mutilla*): Hist. nat. ins. Hymen. 3: 641, ♀, type locality: "Oran" (Algeria), syntypes in Mus. Nat. d'Hist. Natur., Paris. Synonymized by Morawitz, 1865: 127.

rubricollis (Lucas, 1849) (*Mutilla*): Explor. sci. de l'Alg. 3: 297, ♀, type locality: "Algeria", syntypes in Mus. Nat. d'Hist. Natur. Paris. Syonymized by Morawitz, 1865: 127.

dorsalis (Lucas, 1849) (*Mutilla*): Explor. sci. de l'Alg. 3: 288, tab. 15, fig. 12, ♂, type locality: "Algeria", syntypes in Mus. Nat. d'Hist. Natur. Paris. Synonymized by Sichel and Radoszkowski, 1870: 249.

humeralis (Sichel et Radoszkowski, 1870) (*Mutilla*): Horae Soc. Ent. Ross. 6(3/4): 280, tab. 10, fig. 9, ♂, type locality: "Setif" (Algeria), lectotype in Mus. Nat. d'Hist. Natur. Paris (designated by Petersen, 1988: 154). Synonymized by Saunders, 1901: 529.

bodenheimeri (Invrea, 1950) (*Mutilla*, as subspecies of *marocana*): Mem. Soc. entom. Ital. 29: 21, ♀, type locality: "Gerico" (Palestine), holotype in Genova Mus. Civ. Stor. Natur. Synonymized by Petersen, 1988: 153.

flavocornuta Invrea, 1965 (*Ronisia*, as subspecies of *marocana*): Mem. Soc. entom. Ital. 44: 73, ♂, type locality: "Gerico" (Palestine), holotype in Genova Mus. Civ. Stor. Natur. Synonymized by Petersen, 1988: 153.

parasinuata Invrea, 1965 (*Ronisia*): Mem. Soc. entom. Ital. 44: 76, ♂, type locality: "Ein Husub" (Israel), holotype in Genova Mus. Civ. Stor. Natur. – Distribution: Asia: Israel.

wahrmani Invrea, 1965 (*Ronisia*): Mem. Soc. entom. Ital. 44: 77, ♂, type locality: "Wadi Kelt" (Jordan), syntypes in Bytinski Salz's coll. (Univ. Tel Aviv). – Distribution: Asia: Jordan.

25. Genus *Spinulotilla* Bischoff, 1920

Spinulotilla Bischoff, 1920: Arch. Naturgesch. 86A(1-3): 160. Type species: *Mutilla peringueyi* André, 1911 (original designation). [Not Palaearctic].

kruegeri (Invrea, 1932) (*Smicromyrme*): Mem. Soc. entom. Ital. 11: 76, ♂, type locality: "Derna" (Libya), holotype in Genova Mus. Civ. Stor. Natur. – Distribution: North Africa: Libya.

26. Genus *Tropidotilla* Bischoff, 1920

Tropidotilla Bischoff, 1920: Arch. Naturgesch. 86A(1-3): 23 (key), 155 (description). Type species: *Mutilla litoralis* Petagna, 1787 (original designation).

cypriadis Invrea, 1940 (*Tropidotilla*, as variety of *litoralis*): Boll. Soc. entom. Ital. 72: 118, ♂, type locality: "Cherkes" (Cyprus), holotype in Genova Mus. Civ. Stor. Natur. – Distribution: Asia: CY, Iraq.

fimbriata (Klug, 1829) (*Mutilla*): Symb. phys. Dec. 1: tab. 4, fig. 3, ♀, type locality: "Aegypto" (Egypt), syntypes in Zool. Mus. Berlin. – Distribution: Asia: Syria, Arabia; Africa: Egypt, Somali, Chad, Ethiopia, Eritrea.

frontalis (Klug, 1829) (*Mutilla*): Symb. phys. Dec. 1: tab. 4, fig. 2, ♂, type locality: "Aegypto" (Egypt), syntypes in Zool. Mus. Berlin. – Distribution: North Africa: Egypt.

grisescens (Lepeletier, 1845) (*Mutilla*): Hist. nat. ins. Hymen. 3: 626, ♂, type locality: "Saint-Germain-en-Laye" (France), syntypes in Mus. Nat. d'Hist. Natur. Paris. – Distribution: Europe: U (Crimea), GR, Croatia, YU, Macedonia, I, F; North Africa: Algeria.

vulnericeps (Costa, 1860) (*Mutilla*): Fauna regno Napoli: 33, tab. 25, fig. 4, ♀, type locality: "Calabria" (Italy), syntypes in Mus. Zool. Univ. Napoli. Synonymized by Lelej, 1985: 170.

stribligata (Sichel et Radoszkowski, 1870) (*Mutilla*): Horae Soc. Ent. Ross. 6(3/4): 182, ♀, type locality: "Greece, Algeria", syntypes in Krakow Inst. Syst. Exper. Zool. Synonymized by Lelej, 1985: 170.

litoralis (Petagna, 1787) (*Mutilla*): Specimen insectorum: 33, ♀, type locality: Calabria, Brancalene (Italy); syntypes unknown. – Distribution: Europe: E, P, F, B, CH, A, H, CZ, R, BG, Croatia, YU, Macedonia, AL, GR, I, U, Russia: SET; Asia: GE, ARM, AZ, TU (Kopet-Dag), Iran (north), TR, Syria, Palestine; North Africa: Morocco, Algeria, Egypt.

italica (Fabricius, 1793) (*Mutilla*): Entomologia systematica 2: 370, ♂, type locality: "Habitat in Italica" (Italy), lectotype in Copenhagen Univ. Zool. Mus. (designated by Petersen, 1988: 178). Synonymized by Dalla Torre, 1897: 54.

indigena (Illiger, 1807) (*Mutilla*): Fauna etrusca 2: 188, ♀, type locality: Italy, syntypes unknown. Synonymized by Morawitz, 1865: 127.

graeca (Lepeletier, 1845) (*Mutilla*): Hist. nat. ins. Hymen. 3: 625, ♂, type locality: "de Moree" (Greece), syntypes in Mus. Nat. d'Hist. Natur. Paris. Synonymized by Lelej, 1985: 169.

iberica (Kolenati, 1846) (*Mutilla*): Meletemata entomologica 5: 122, ♀, type locality: "in aridis Iberiae, prope urbem Tiflis" (Georgia), syntypes unknown. Synonymized by Sichel and Radoszkowski, 1870: 180.

salentina (Costa, 1858) (*Mutilla*): Fauna regno Napoli: 14, tab. 21, fig. 2, ♂, type locality: "Terra d'Otranto" (Italy), syntypes in Mus. Zool. Univ. Napoli. Synonymized by Morawitz, 1865: 127.

simplica (Radoszkowski, 1865) (*Mutilla*): Bull. Soc. Imper. Natur. Moscou 38(2): 439, tab. 7, fig. 12, ♀, type locality: "Crimee" (Ukraine), syntypes in Krakow Inst. Syst. Exper. Zool. Synonymized by André, 1899: 8.

pauperata (Sichel et Radoszkowski, 1870) (*Mutilla*): Horae Soc. Ent. Ross. 6(3/4): 195. Unnecessary new name for *Mutilla simplicia* Radoszkowski, 1865. Synonymized by André, 1899: 8.

nigra (Saunders, 1890) (*Mutilla*, as variety of *graeca*; nom. praeocc., non Rossi, 1792): Entomol. mon. Mag. 26: 289, ♂, type locality: ?North Africa, syntypes unknown. – Distribution: Europe: E (south); North Africa: Morocco.

cruenticeps (André, 1901) (*Mutilla*): Spec. Hymen. d'Eur. et d'Alg. 8: 249, ♀, type locality: "Syria", syntypes in Mus. Nat. d'Hist. Natur. Paris. – Distribution: Asia: Syria, Palestine.

soconusca (Mercet, 1905) (*Mutilla*, as variety of *litoralis*): Boln. R. Soc. Esp. Hist. Nat. 5: 494, ♀, type locality: "Montarco" (Spain), syntypes in Madrid Inst. Español Ent. – Distribution: Europe: E.

bimaculata Invrea, 1965 (*Tropidotilla*, as forma of *litoralis*): Mem. Soc. entom. Ital. 44: 79, ♂, type locality: Beercheba (Palestine), holotype in Bytinski Salz's coll. Invalid according to article 15.2 of ICZN.

verticichroma Invrea, 1965 (*Tropidotilla*, as forma of *litoralis*): Mem. Soc. entom. Ital. 44: 79, ♀, type locality: Yeroam (Palestine), holotype in Hebrew Univ. Invalid according to article 15.2 of ICZN.

pharaonis (André, 1902) (*Mutilla*): Spec. Hymen. d'Eur. et d'Alg. 8: 325, ♂, type locality: Egypt, holotype in Naturhist. Mus. Wien. – Distribution: North Africa: Egypt.

sareptana (André, 1901) (*Mutilla*): Spec. Hymen. d'Eur. et d'Alg. 8: 246, ♀, type locality: "Sarepta" (=Volgograd) (Russia), holotype in Mus. Nat. d'Hist. Natur. Paris. – Distribution: Europe: Macedonia, GR; Russia: SET; Asia: TR, ARM, AZ.

semirufa (André, 1893) (*Mutilla*): Mem. Soc. Zool. France 6: 294, ♀, type locality: Iran, syntypes in Mus. Nat. d'Hist. Natur. Paris. – Distribution: Asia: ARM, AZ, Iran.

Tribe Smicromyrmini Bischoff, 1920

Smicromyrmini Bischoff, 1920: Arch. Naturgesch. 86A(1-3): 23.

27. Genus *Andreimyrme* Lelej, 1995

Andreimyrme Lelej, 1995: Far East. entomol. 13: 5. Type species: *Andreimyrme long* Lelej, 1995 (original designation). [Not Palaearctic].

davidi (André, 1898) (*Mutilla*): Ann. Soc. Entom. France 67: 28, ♂, type locality: "Kiang-si" (China), holotype in Mus. Nat. d'Hist. Natur. Paris. – Distribution: Asia: China: CE (Jiangsu, Jiangxi), SE (Fujian, Taiwan).

substriolata (Chen, 1957) (*Smicromyrme*): Quart. J. Taiwan Mus. 10(3-4): 181, 209, ♀, type locality: "Jiangxi" (China), holotype in Heude Mus. Shanghai. – Distribution: Asia: China: (Jiangxi, Anhui, Zhejiang, Taiwan).

28. Genus *Dentilla* Lelej, 1980

Dentilla (as subgenus of *Smicromyrme* Thomson, 1870) Lelej, 1980: Entom. Obozr. 59(1): 195. Type species: *Mutilla erronea* André, 1902 (original designation).

beludzhistanica Lelej, 1985 (*Dentilla*): Osy-nemki fauny SSSR: 195, ♂, type locality: Kerman (Iran), holotype in St. Petersburg Zool. Inst. – Distribution: Asia: Iran.

caucasica Lelej, 1985 (*Dentilla*): Osy-nemki fauny SSSR: 193, ♀, type locality: "Ordubad" (Azerbaijan), holotype in St. Petersburg Zool. Inst. – Distribution: Asia: AZ.

cretica (Nonveiller, 1972) (*Smicromyrme*, as subspecies of *erronea*): Acta entom. Jugosl. 7(2): 7, ♂, type locality: "Creta, Iraklion" (Greece), holotype in Nonveiller's coll. Zemun. – Distribution: Europe: GR (Crete, Rhodes); Asia: AZ, ARM.

curtiventris (André, 1901) (*Mutilla*): Spec. Hymen. d'Eur. et d'Alg. 8: 269, ♀, type locality: "Adampol" (Turkey), holotype in Naturhist. Mus. Wien. – Distribution: Europe: I, GR, YU, Macedonia, AL; Asia: TR, Syria.

rubescens (André, 1901) (*Mutilla*, as variety of *viduata*): Spec. Hymen. d'Eur. et d'Alg. 8: 273, ♀, type locality: "Syria", lectotype in Mus. d'Hist. Natur. Paris. (designated by Petersen, 1988: 159). Synonymized by Petersen, 1988: 159.

errana (Nonveiller, 1958) (*Smicromyrme*): Bull. Mus. nat. Belgrade 12: 214, ♀, type locality: "Kopaiz" (Greece), holotype in Nonveiller's coll. Zemun. Synonymized by Petersen, 1988: 159.

nigrescens (Nonveiller, 1958) (*Smicromyrme*, as variety of *errana*): Bull. Mus. d'Hist. Natur. 12: 217, ♀, type locality: "Rujen" (Yugoslavia), holotype in Nonveiller's coll. Zemun. Synonymized by Petersen, 1988: 159.

rutilans (Nonveiller, 1972) (*Smicromyrme*, as forma of *errana*): Acta entom. Jugosl. 7(2): 7, ♀. Invalid according to article 15.2 of ICZN. Synonymized by Petersen, 1988: 159.

dichroa (Sichel et Radoszkowski, 1870) (*Mutilla*): Horae Soc. Ent. Ross. 6(3/4): 300, ♂. New name for *Mutilla bicolor* Olivier, 1811. – Distribution: Asia: TU, Afghanistan, Iran, Iraq, Palestine, Egypt (Sinai).

bicolor (Olivier, 1811) (*Mutilla*, nom. praeocc., non Pallas, 1771): Encyclopedie methodique 8: 57, ♂, type locality: "Arabie, pres de l'Euphrate" (Iraq), syntypes in Mus. Nat. d'Hist. Natur. Paris.

quinquedentata (Morawitz, 1890) (*Mutilla*): Horae Soc. Ent. Ross. 24(3/4): 638, ♂, type locality: Repetek (Turkmenistan), syntypes in St. Petersburg Zool. Inst. Synonymized by André, 1898: 6.

erronea (André, 1902) (*Mutilla*): Spec. Hymen. d'Eur. et d'Alg. 8: 362, ♂, type locality: "Albanie, Grece, Corfou, Syra, Micamos, Genes", syntypes in Krakow Inst. Syst. Exper. Zool. – Distribution: Europe: AL, YU, GR, I; Asia: TR; North Africa: Algeria.

iranica Lelej, 1985 (*Dentilla*): Osy-nemki fauny SSSR: 194, ♂, type locality: Kerman (Iran), holotype in St. Petersburg Zool. Inst. – Distribution: Asia: Iran.

persica (Sichel et Radoszkowski, 1870) (*Mutilla*): Horae Soc. Ent. Ross. 6(3/4): 269, ♂, type locality: "Persia" (Iran), syntypes in Krakow Inst. Syst. Exper. Zool. – Distribution: Asia: AZ, ARM, Iran, TR, Palestine.

sabulicola (Skorikov, 1935) (*Smicromyrme*): Tr. Tadzh. basy AN SSSR 5: 313, tab. 3, fig. 8, ♀, type locality: "Bampur" (Iran), holotype in St. Petersburg Zool. Inst. – Distribution: Asia: Iran.

sabulosa (Skorikov, 1935) (*Smicromyrme*): Tr. Tadzh. basy AN SSSR 5: 313, ♀, type locality: Kerman (Iran), holotype in St. Petersburg Zool. Inst. – Distribution: Asia: Iran.

saharica (Giner, 1945) (*Ephutomma*): Eos 21: 253, fig. 17, ♂, type locality: "Tuisguirrentz" (Western Sahara), holotype in Madrid Inst. Español Ent. – Distribution: North Africa: Western Sahara, Morocco, Algeria, Sudan.

speciosa (Lelej, 1980) (*Smicromyrme*): Entom. Obozr. 59(1): 195, fig. 10, ♀, type locality: Lagman province (Afghanistan), holotype in St. Petersburg Zool. Inst. – Distribution: Asia: Afghanistan.

testacea (Klug, 1829) (*Mutilla*): Symb. phys. Dec. 1: tab. 5, fig. 4, ♂, type locality: "Arabie deserte" (Egypt), syntypes in Zool. Mus. Berlin. – Distribution: North Africa: Egypt.

ursina (Nagy, 1972) (*Smicromyrme*): Bull. Iraq nat. Hist. Mus. 5(2): 4, ♀, type locality: "Ankara" (Turkey), holotype in Nagy's coll. – Distribution: Asia: AZ, TR.

weidneri (Nagy, 1971) (*Smicromyrme*): Ent. Mitt. Zool. Mus. Hamburg 4(72): 167, ♀, type locality: Iran, holotype in Hamburg Zool. Mus. – Distribution: Asia: Iran.

zarudnyi Lelej, 1985 (*Dentilla*): Osy-nemki fauny SSSR: 195, ♂, type locality: Kerman (Iran), holotype in St. Petersburg Zool. Inst. – Distribution: Asia: TU (Badkhyz), Iran, Afghanistan.

29. Genus *Ephutomma* Ashmead, 1899

Ephutomma Ashmead, 1899: J. N. Y. Entom. Soc. 7: 52. Type species: *Mutilla incerta* Radoszkowski, 1877 (=*Mutilla turcestanica* Dalla Torre, 1897) (original designation).

Eremomyrme Suárez, 1965: Mem. Soc. entom. Ital. 44: 51. Type species: *Mutilla incerta* Radoszkowski, 1877 (=*Mutilla turcestanica* Dalla Torre, 1897) (original designation). Synonymized by Lelej and Kabakov, 1980: 193.

angustata (Skorikov, 1935) (*Smicromyrme*): Tr. Tadzh. basy AN SSSR 5: 316, ♀, type locality: Zeravshan river (Uzbekistan), holotype in St. Petersburg Zool. Inst. – Distribution: Asia: KZ (south), KY, TU, UZ, TJ.

sogdiana (Lelej, 1971) (*Smicromyrme*): Entom. Obozr. 50(3): 676, ♀, ♂, type locality: Kyzylkum (Kazakhstan), holotype ♀ in St. Petersburg Zool. Inst. Synonymized by Lelej, 1976: 278.

coronata (Lelej, 1976) (*Eremomyrme*): Insects of Mongolia 4: 280, fig. 12, ♂, type locality: Betpakdala (Kazakhstan), holotype in St. Petersburg Zool. Inst. – Distribution: Russia: South Ural; Asia: KZ, TU.

deserta Lelej, 1985 (*Ephutomma*): Osy-nemki fauny SSSR: 189, ♀, type locality: Badkhyz reserve (Turkmenistan), holotype in St. Petersburg Zool. Inst. – Distribution: Asia: KZ, UZ, TU, Afghanistan, Iran.

ferghanica Ovchinnikov, 2002 (*Ephutomma*): Entomol. Invest. 22: 85, ♀, type locality "Alash-Too Mts" (Kyrgyzstan), holotype in St. Petersburg Zool. Inst. – Distribution: Asia: KY.

gabesiana Bischoff, 1920 (*Ephutomma*): Arch. Naturgesch. 86A(1-3): 154, ♀, type locality: "Gabes" (Tunisia), holotype in Mus. Nat. d'Hist. Natur. Paris. – Distribution: North Africa: Tunisia.

kazenasi (Lelej, 1976) (*Eremomyrme*): Insects of Mongolia 4: 279, fig. 11, ♂, type locality: Kungrad (Uzbekistan), holotype in St. Petersburg Zool. Inst. – Distribution: Asia: KZ (west), UZ, Mongolia.

kerzhneri (Lelej, 1977) (*Eremomyrme*): Insects of Mongolia 5: 534, ♂, type locality: north-west China, Bugas, holotype in St. Petersburg Zool. Inst. – Distribution: Asia: KZ (south), UZ, TU, TJ, China: (Xijiang).

mesopotamica Bischoff, 1920 (*Ephutomma*, as subspecies of *continua*): Arch. Naturgesch. 86A(1-3): 153, ♂, type locality: Central Mesopotamia (Iraq), holotype in Zool. Mus. Berlin. – Distribution: Asia: Iraq.

minuta Lelej, 1985 (*Ephutomma*): Osy-nemki fauny SSSR: 189, ♀, type locality: Bossaga (Turkmenistan), holotype in St. Petersburg Zool. Inst. – Distribution: Asia: TU, TJ, Iran (north), Mongolia.

mongolensis (Suárez, 1974) (*Smicromyrme*): Arch. Inst. Aclimat. 19: 14, ♂, type locality: Mongolia, Central aimak, holotype in Budapest Term. tud. Muz. – Distribution: Russia: ES (Transbaicalia); Asia: Mongolia.

montarcense (Giner, 1944) (*Smicromyrme*): Himenopteros España: 89, ♂, type locality: "Montarco" (Madrid, Spain), lectotype in Inst. Español Entomol. Madrid (designated by Suárez, 1959: 100). – Distribution: Europe: E.

sanguinicollis (Klug, 1829) (*Mutilla*): Symb. phys. Dec. 1: tab. 4, fig. 8, ♂, type locality: "Tscheile Lachterie" (Arabia), holotype in Berlin Zool. Mus. – Distribution: Asia: Arabia; North Africa: Libya.

semirubra Bischoff, 1920 (*Ephutomma*): Arch. Naturgesch. 86A(1-3): 153, ♂, type locality: Tripolitania (Libya), holotype in Zool. Mus. Berlin. – Distribution: North Africa: Libya.

turcestanica (Dalla Torre, 1897) (*Mutilla*): Cat. Hymen. 8: 94. New name for *Mutilla incerta* Radoszkowski, 1877. – Distribution: Asia: KZ (south), TU, UZ, TJ.

incerta (Radoszkowski, 1877) (*Mutilla*, nom. praeocc., non Spinola, 1841): Voyage au Turkestan d'Alexis Fedtschenko, 2(5): 38, ♂, type locality: Kyzylkum (Kazakhstan), lectotype in Zool. Mus. Moscow Univ. (designated by Lelej, 1976: 277).

semenovi (Skorikov, 1935) (*Smicromyrme*): Tr. Tadzh. basy AN SSSR 5: 312, ♀, type locality: "Utsh-Adzhi" (Turkmenistan), holotype in St. Petersburg Zool. Inst. Synonymized by Lelej and Kabakov, 1980: 192.

rufothoracica (Skorikov, 1935) (*Ephutomma*, as variety of *incerta*): Tr. Tadzh. basy AN SSSR 5: 323, ♂, type locality: "Kyzylkum" (Kazakhstan), lectotype in St. Petersburg Zool. Inst. (designated by Lelej and Kabakov, 1980: 192). Synonymized by Lelej and Kabakov, 1980: 192.

turgayensis Lelej, 1985 (*Ephutomma*): Osy-nemki fauny SSSR: 188, ♂, type locality: Turgayskaya oblast (Kazakhstan), holotype in St. Petersburg Zool. Inst. – Distribution: Asia: KZ.

30. Genus *Mickelomyrme* Lelej, 1995

Mickelomyrme Lelej, 1995: Far East. entomol. 6: 17. Type species: *Mutilla hageni* Zavattari, 1913 (original designation). [Not Palaearctic].

abnorma (Chen, 1957) (*Smicromyrme*): Quart. J. Taiwan Mus. 10(3-4): 180, 203, ♂, type locality: Jianxi (China), holotype in Heude Mus. Shanghai. – Distribution: Asia: China: CE (Anhui, Jiangxi, Zhejiang), SE (Fujian), SW (Yunnan), Vietnam.

exacta (Smith, 1879) (*Mutilla*): Descr. New Species Hymen.: 202, ♂, type locality: Shanghai (China), holotype in London Brit. Mus. Nat. Hist. – Distribution: Asia: China: CE (Shanghai, Anhui, Jiangsu, Jiangxi), SW (Sichuan), SE (Guangdong).

31. Genus *Nemka* Lelej, 1985

Nemka (as subgenus of *Smicromyrme* Thomson, 1870) Lelej, 1985: Osy-nemki fauny SSSR: 240. Type species: *Mutilla viduata* Pallas, 1773 (original designation).

Horaia (as subgenus of *Smicromyrme* Thomson, 1870) Tsuneki, 1993: SPJHA 41: 43. Type species: *Smicromyrme (Horaia) chihpenchia* Tsuneki, 1993 (original designation). [Not Palaearctic]. Synonymized by Lelej, 1995: 2.

aurantiaca (Skorikov, 1935) (*Smicromyrme*, as variety of *viduata*): Tr. Tadzh. basy AN SSSR 5: 310, ♂, type locality: "South-East Persia" (Iran), holotype in St. Petersburg Zool. Inst. – Distribution: Asia: TU, Iran, Afghanistan.

limi (Chen, 1957) (*Smicromyrme*): Quart. J. Taiwan Mus. 10(3-4): 183, 215, ♀, type locality: "Zhejiang" (China), holotype in Shanghai Heude Mus. – Distribution: Asia: China (Jiangsu, Zhejiang, Hainan).

pondicherensis (Sichel et Radoszkowski, 1870) (*Mutilla*): Horae Soc. Ent. Ross. 6(3-4): 204, ♀, type locality: "Pondichery" (East India), holotype in Wien Naturhis. Mus. – Distribution: Asia: Iran (south), India (east).

taiwanensis (Mickel, 1933) (*Timulla*, as subspecies of *orientalis*): Ann. Entom. Soc. Amer. 26: 408, ♂, type locality: Taiwan (China), holotype in Deutsch. Entom. Inst. – Distribution: Asia: China: CE (Jiangsu, Anhwei, Zhejiang), SE (Fujian, Taiwan).

viduata (Pallas, 1773) (*Mutilla*): Reisen ... Russischen Reiches 2: 730, ♂, type locality: "Lecta cum praecedenti (ad Irtin locis australioribus)" (Shulba river near Semipalatinsk, Kazakhstan), syntypes probably in Zool. Mus. Berlin. – Distribution: Europe: E, P, F, I, M, GR, Slovenia, Croatia, BH, YU, Macedonia, AL, A, D (south), BG, H, R, CZ, SL, U; Russia: SET, South Ural, WS (Altai); Asia: CY, TR, Syria, GE, AZ, ARM, KZ, KY, UZ, TU, Iran (north), TR, Mongolia (north-west), China: NW (Xinjiang); North Africa: Morocco, Algeria, Tunisia.

viduata viduata (Pallas, 1773). – Distribution: Europe: U, E, F, I, M, GR, Slovenia, Croatia, BH, YU, Macedonia, AL, A, D (south), BG, H, R, CZ, SL; Russia: SET, South Ural, WS (Altai); Asia: TR, Syria, GE, AZ, ARM, KZ, Mongolia (north-west).

stridula (Rossi, 1790) (*Tiphia*): Fauna etrusca: 68, tab. 6, fig. 2, ♂, type locality: not given (Italy), syntypes unknown. Synonymized by Morawitz, 1865: 133.

coronata (Rossi, 1792) (*Mutilla*): Mantissa Insectorum 1: 147, ♀, type locality: "Pisis obvia in silvestris arenosis" (Italy), syntypes unknown. Synonymized by Morawitz, 1865: 133.

coronata (Fabricius, 1793) (*Mutilla*, nom. praeocc., non Rossi, 1792): Entomologia systematica 2: 369, ♀, type locality: "Habitat in Halae Saxonum" (Germany), lectotype in Copenhagen Univ. Zool. Mus. (designated by Petersen, 1988: 158). Synonymized by Morawitz, 1865: 133.

paedemontana (Fabricius, 1794) (*Mutilla*): Entomologia systematica 4: 461, ♂, type locality: "Habitat in Italia" (Italy), lectotype in Copenhagen Univ. Zool. Mus. (designated by Petersen, 1988: 186). Synonymized by Morawitz, 1865: 133).

togata (Ahrens, 1812) (*Mutilla*): Fauna Insect. Europ. 1: 17, ♂, type locality: Europa, syntypes unknown. Synonymized by Morawitz, 1865: 133.

viduata tunensis (Fabricius, 1804) (*Mutilla*): Systema piezatorum: 433, ♀, type locality: "Habitat in Tunis" (Tunisia), lectotype in Copenhagen Univ. Zool. Mus. (designated by Petersen, 1988: 195). – Distribution: North Africa: Morocco, Algeria, Tunisia.

bipunctata (Lepeletier, 1845) (*Mutilla*, nom. praeocc., non Latreille, 1792): Hist. nat. ins. Hymen. 3: 642, ♀, type locality: "Oran" (Algeria), syntypes in Mus. Nat. d'Hist. Natur. Paris.

dispar (Smith, 1855) (*Mutilla*): Cat. Hymen. 3: 14, ♀. New name for *Mutilla bipunctata* Lepeletier, 1845. – Distribution: North Africa: Algeria.

triplex (Invrea, 1953) (*Smicromyrme* as forma of *viduata tunensis*): Bull. Soc. Sci. Natur. Maroc. 32: 277, ♂, type locality: "Marrakech" (Morocco), syntypes in Genova Mus. Civ. Stor. Natur. Invalid according to article 45.5 of ICZN.

viduata macquarti (Lepeletier, 1845) (*Mutilla*): Hist. nat. ins. Hymen. 3: 633, ♂, type locality: "Probablement du Midi de la France", syntypes in Mus. Nat. d'Hist. Natur. Paris. – Distribution: Europe: GR.

viduata bartholomaei (Radoszkowski, 1865) (*Mutilla*): Bull. Soc. Imper. Natur. Moscou 38(2): 460, tab. 9, fig. 2, ♂, type locality: "Tehran" (Iran), syntypes in Krakow Inst. Syst. Exper. Zool. – Distribution: Asia: GE, AZ, ARM, KZ (south of Aral Sea and Balkhash Lake), KY, UZ, TU, TR, Iran (north), TR, China: NW (Xinjiang).

luctuosa (Radoszkowski, 1865) (*Mutilla*, nom. praeocc., non Lucas, 1849): Bull. Soc. Imper. Natur. Moscou 38(2): 453, tab. 8, fig. 5, ♀, type locality: "Syr-Darja river" (Kazakhstan), syntypes in Krakow Inst. Syst. Exper. Zool.

bareyi (Radoszkowski, 1893) (*Mutilla*): Horae Soc. Ent. Ross. 27(3/4): 492, ♂ non ♀, type locality: "Persia" (Iran), lectotype ♂ in Krakow Inst. Syst. Exper. Zool. (designated by Petersen, 1988: 196). **New Synonymy.**

protunensis (Skorikov, 1935) (*Smicromyrme*, as subspecies of *viduata*): Tr. Tadzh. basy AN SSSR 5: 316, ♀, type locality: "Zhulek" (Kazakhstan), lectotype in St. Petersburg Zool. Inst. (designated Lelej, 1985: 242). Synonymized by Lelej, 1975: 325.

simia (Skorikov, 1935) (*Smicromyrme*): Tr. Tadzh. basy AN SSSR 5: 316, ♀, type locality: "Koku-Merek river" (Kyrgyzstan), lectotype in St. Petersburg Zool. Inst. (designated Lelej, 1985: 242). Synonymized by Lelej, 1975: 325.

anacta (Skorikov, 1935) (*Smicromyrme*, as variety of *viduata protunensis*): Tr. Tadzh. basy AN SSSR 5: 319, ♂, type locality: "Turkestan". Invalid according to article 45.5 of ICZN.

intermedia (Skorikov, 1935) (*Smicromyrme*, as variety of *viduata protunensis*): Tr. Tadzh. basy AN SSSR 5: 319, ♂, type locality: "Turcestan". Invalid according to article 45.5 of ICBN.

viduata andalusiana (Skorikov, 1935) (*Smicromyrme*, as forma of *viduata*):

Tr. Tadzh. basy AN SSSR 5: 319, ♀, type locality: "Andalusia" (Spain), lectotype in St. Petersburg Zool. Inst. (designated here, in order to ensure the name's proper and consistent use). – Distribution: Europe: E, P.

viduata insulae (Invrea, 1940) (*Smicromyrme*, as variety of *viduata*):

Boll. Soc. entom. Ital. 72: 120, ♂, type locality: "Acrotizi Bay" (Cyprus), syntypes in Genova Mus. Civ. Stor. Natur. – Distribution: Asia: CY.

wotani (Zavattari, 1913) (*Mutilla*): Arch. Naturgesch. 79A(3): 27, ♀, type locality: Taiwan (China), lectotype in Deutsch. Entom. Inst. (designated by Mickel, 1933: 291). – Distribution: Asia: Japan (Honshu, Kyushu, Tanega-shima), Korea, China (Liaoning, Shanxi, Taiwan), Vietnam.

yasumatsui (Mickel, 1936) (*Smicromyrme*): Mushi 9(1): 52, ♀, type locality: "Fukuoka" (Japan, Kyushu), holotype in Univ. Minnesota, St. Paul. Synonymized by Lelej, 1995: 10.

32. Genus *Nuristanilla* Lelej, 1980

Nuristanilla Lelej, 1980: Entom. Obozr. 59(1): 193. Type species: *Nuristanilla kabakovi* Lelej, 1980 (original designation).

kabakovi Lelej, 1980 (*Nuristanilla*): Entom. Obozr. 59(1): 193. type locality: Lagman province (Afghanistan), holotype in St. Petersburg Zool. Inst. – Distribution: Asia: Afghanistan.

33. Genus *Physetopoda* Schuster, 1949

Physetopoda Schuster, 1949: Entom. Amer. (n.s.) 29: 112. Type species: *Physetopoda insularis* Schuster, 1949 (= *Mutilla rubrocincta* Lucas, 1849) (original designation).

Paramyrme (as subgenus of *Smicromyrme* Thomson, 1870) Lelej, 1977: Insects of Mongolia 5: 531. Type species: *Mutilla montana* Panzer, 1805 (= *Mutilla halensis* Fabricius, 1787) (original designation). Synonymized by Brothers, 1983: 441.

asiatica (Lelej, 1984) (*Paramyrme*): Sistematsika nasekomykh: 107, fig. 14, ♂, ♀, type locality: Tyulkubas (Kazakhstan), holotype ♀ in St. Petersburg Zool. Inst. – Distribution: Asia: ARM, AZ, KZ, KY, UZ, Iran (north).

betpakdalensis (Lelej, 1984) (*Paramyrme*): Sistematsika nasekomykh: 113, ♂, type locality: 60 km NW Furmanovka (Kazakhstan), holotype in St. Petersburg Zool. Inst. – Distribution: Asia: KZ.

cingulata (Costa, 1858) (*Mutilla*): Fauna regno Napoli: 15, tab. 21, fig. 4, ♂, type locality: "Terra d'Otranto" (Italy), holotype in Mus. Zool. Univ. Napoli. – Distribution: Europe: I, GR, H; Russia: SET (south-east); Asia: KZ.

rudolfae (Lelej, 1984) (*Smicromyrme*): Taxonomy and Zoogeography: 87, ♂, type locality: Ural river (Kazakhstan), holotype in St. Petersburg Zool. Inst. Synonymized by Petersen, 1988: 193.

compacta (Invrea, 1957) (*Smicromyrme*): Mem. Soc. entom. Ital. 36: 195, fig. 1b, ♂, type locality: Abruzzi, Monte Canelle (Italy), holotype in Genova Mus. Civ. Stor. Natur. – Distribution: Europe: I, Croatia, F, E, P, R.

daghستانica (Radoszkowski, 1885) (*Mutilla*): Horae Soc. Ent. Ross. 19(1/2): 24, fig. 22, ♂, type locality: "Banat" (Hungary), lectotype in Krakow Inst. Syst. Exper. Zool. (designated by Petersen, 1988: 169). – Distribution: Europe: U, A, CZ, SL; Russia: SET; WS (Altai); Asia: KZ.

moravica (Hoffer, 1936) (*Smicromyrme*, as forma of *montata*): Casopis Cs. Spol. Ent. 33: 162, ♂, type locality: "Moravia" (Czechia), holotype in Brno Morav. zem. Mus. **New Synonymy**.

variabilis (Hoffer, 1938) (*Smicromyrme*): Sb. ent. Odd. nar. Mus. Praze 16: 191, ♂. Unnecessary new name for *Smicromyrme moravica* Hoffer, 1936; type locality: "Brno" (Czechia), holotype in Brno Morav. zem. Mus. Synonymized by Lelej, 1985: 208.

maculata (Hoffer, 1938) (*Smicromyrme*, as forma of *variabilis*): Sb. ent. Odd. nar. Mus. Praze 16: 192, ♂, type locality: "Somotor" (Slovakia), holotype probably in Praha Narodni Muz. **New Synonymy**.

lineata (Hoffer, 1938) (*Smicromyrme*, as forma of *variabilis*): Sb. ent. Odd. nar. Mus. Praze 16: 192, ♂, type locality: "Somotor" (Slovakia), holotype probably in Praha Narodni Muz. **New Synonymy**.

obenbergeri (Hoffer, 1938) (*Smicromyrme*, as forma of *variabilis*): Sb. ent. Odd. nar. Mus. Praze 16: 192, ♂, type locality: "Somotor" (Slovakia), syntypes probably in Praha Narodni Muz. **New Synonymy**.

conversa (Hoffer, 1938) (*Smicromyrme*, as forma of *variabilis*): Sb. ent. Odd. nar. Mus. Praze 16: 192, ♂, type locality: "Somotor" (Slovakia), holotype probably in Praha Narodni Muz. **New Synonymy**.

deserta (Lelej, 1984) (*Paramyrme*): Sistematica nasekomykh: 109, fig. 12, ♂, type locality: Repetek (Turkmenistan), holotype in St. Petersburg Zool. Inst. – Distribution: Asia: TU, UZ, KZ (south-east).

fusculina (Invrea, 1955) (*Smicromyrme*): Atti Soc. Ital. Sci. Natur. 94(3-4): 249, ♀, type locality: Sardinia (Italy), holotype in Genova Mus. Civ. Stor. Natur. – Distribution: Europe: I (Sardinia).

gorbatovskii (Lelej, 1984) (*Paramyrme*): Sistematica nasekomykh: 110, fig. 21, 22, ♂, type locality: Nurek (Tajikistan), holotype in St. Petersburg Zool. Inst. – Distribution: Asia: TJ.

halensis (Fabricius, 1787) (*Mutilla*): Mantissa Insectorum 1: 312, ♀, type locality: "Halae Saxonum" (Germany), syntypes lost, neotype in Mus. Nat. d'Hist. Natur. Paris. (designated by Petersen, 1988: 163). – Distribution: Europe: D, CZ, SL, A, CH, R, Slovenia, Croatia, BH, YU, Macedonia, I, U; Russia: SET, south Ural; WS (Altai); Asia: KZ.

ephippium (Fabricius, 1793) (*Mutilla*, nom. praeocc., non Rossi, 1792): Entomologia systematica 2: 370, ♂, type locality: "Halae Saxonum" (Germany), lectotype in Copenhagen Univ. Zool. Mus. (designated by Petersen, 1988: 160). Synonymized by Petersen, 1988: 163.

montana (Panzer, 1805) (*Mutilla*): Faune Insectorum Germanicae oder Deutschlands insecten 97: 20, ♀, type locality: "Germania", syntypes unknown. Synonymized by Panzer, 1806: 212.

schenki (Schmiedeknecht, 1907) (*Mutilla*): Hymenopteren Mitteleuropas: 340, ♂, type locality: "Thuringen" (Germany), lectotype in Frankfurt Natur. Mus. Senckenberg. (designated by Petersen, 1988: 165). Synonymized by Petersen, 1988: 163.

pseudomontana (Hoffer, 1936) (*Smicromyrme*, as subspecies of *punctata*): Casopis Cs. Spol. Ent. 33: 161, ♀, type locality: "Slovakia, Parkar", holotype probably in Praha Narodni Muz. Synonymized by Lelej, 1985: 203.

susterai (Hoffer, 1936) (*Smicromyrme*, as forma of *montana*): Casopis Cs. Spol. Ent. 33: 162, ♀, type locality: "Praha" (Czechia), holotype probably in Praha Narodni Muz. **New Synonymy**.

melaclena (Invrea, 1958) (*Smicromyrme*, as forma of *compacta*): Boll. Soc. entom. Ital. 88(9–10): 145, ♂, type locality: "S. Ambrogio Veneto" (Italy) holotype in Genova Mus. Civ. Stor. Natur. Synonymized by Petersen, 1988: 163.

subalpina (Ressl, 1960) (*Smicromyrme*): Z. ArbGem. ost. Entom. 12: 131. Nomen nudum. Synonymized by Petersen, 1988: 163.

hissarica (Lelej, 1984) (*Paramyrme*): Sistematica nasekomykh: 111, fig. 19, 20, ♂, type locality: Stalinabad (=Dushanbe) (Tajikistan), holotype in St. Petersburg Zool. Inst. – Distribution: Asia: TJ.

isis (Suárez, 1975) (*Smicromyrme*): Arch. Inst. Aclimat. 20: 155, figs 1, 5, 8, ♂, type locality: "Meadi" (Egypt), holotype in Suárez's coll., Almeria. – Distribution: North Africa: Egypt.

kermanensis (Lelej, 1984) (*Paramyrme*): Sistematica nasekomykh: 110, ♂, type locality: Kerman (Iran), holotype in St. Petersburg Zool. Inst. – Distribution: Asia: Iran (south-east).

kozlovi (Lelej, 1976) (*Smicromyrme*): Insects of Mongolia 4: 273, fig. 3, 4, ♂ non ♀, type locality: Kobdo aimak (Mongolia), holotype ♂ in St. Petersburg Zool. Inst. – Distribution: Asia: KZ, Mongolia.

ligistica (Invrea, 1951) (*Smicromyrme*): Boll. Soc. ent. Ital. 81: 38, ♂, type locality: "Liguria, Varazze" (Italy), holotype in Genova Mus. Civ. Stor. Natur. – Distribution: Europe: R, I, M, E, P, F.

borgiana (Invrea, 1951) (*Smicromyrme*, as variety of *ligistica*): Boll. Soc. entom. Ital. 81: 39, ♂, type locality: "Liguria, Varazze" (Italy), holotype in Genova Mus. Civ. Stor. Natur. – Distribution: Europe: I.

myrtacea (Invrea, 1951) (*Smicromyrme*, as variety of *ligistica*): Boll. Soc. entom. Ital. 81: 39, ♂, type locality: "Liguria, Varazze" (Italy), holotype in Genova Mus. Civ. Stor. Natur. – Distribution: Europe: I.

lucasii (Smith, 1855) (*Mutilla*): Cat. Hymen. 3: 14. New name for *Mutilla bicolor* Lucas, 1849. – Distribution: Europe: I, F, E; North Africa: Algeria.

bicolor (Lucas, 1849) (*Mutilla*, nom. praeocc., non Pallas, 1771): Explor. sci. de l'Alg. 3: 289, ♂, type locality: "Algeria", lectotype in Mus. Nat. d'Hist. Natur. Paris. (designated by Petersen, 1988: 172).

cerrutii (Invrea, 1956) (*Smicromyrme*, as forma of *montana*): Boll. Soc. entom. Ital. 86(9–10): 148, ♂, type locality: "Lazio" (Italy), holotype in Genova Mus. Civ. Stor. Natur. Synonymized by Petersen, 1988: 172.

pseudobimaculata (Suárez, 1959) (*Smicromyrme*, as forma of *montana*): Eos 35(1): 104, fig. 3, ♂, type locality: "Colmenar" (Spain), holotype in Madrid Inst. Español Ent. – Distribution: Europe: E.

mendizabali (Suárez, 1956) (*Smicromyrme*): Arch. Inst. Aclimat. 5: 53, ♀, type locality: "Gergal" (Spain), holotype in Suárez's coll., Almeria. – Distribution: Europe: E (south).

oratoria (Chen, 1957) (*Smicromyrme*): Quart. J. Taiwan Mus. 10(3-4): 197, fig. 49, ♂, type locality: Shandong (China), holotype in Heude Mus. Shanghai. – Distribution: Russia: ES (south, Chitinskaya oblast, Yakutia), FE (Amurskaya oblast, Khabarovskii krai, Primorskii krai); Asia: China (Jilin, Neimenggu, Shandong), Mongolia.

vaticinia (Chen, 1957) (*Smicromyrme*, as subspecies of *oratoria*): Quart. J. Taiwan Mus. 10(3-4): 198, ♂, type locality: Chahar (China, Neimenggu), holotype in Heude Mus. Shanghai. **New Synonymy.**

miscisis (Chen, 1957) (*Smicromyrme*, as subspecies of *oratoria*): Quart. J. Taiwan Mus. 10(3-4): 198, ♂, type locality: Chahar (China, Neimenggu), holotype in Heude Mus. Shanghai. **New Synonymy.**

rectangulata (Chen, 1957) (*Glossotilla*): Quart. J. Taiwan Mus. 10(3-4): 159, ♀, type locality: Jehol (China, Neimenggu), holotype in Heude Mus. Shanghai. **New Synonymy.**

eoae (Lelej, 1977) (*Smicromyrme*): Insects of Mongolia 5: 531, fig. 4, ♀, ♂, type locality: Primorskii krai (Russia: Far East), holotype ♀ in St. Petersburg Zool. Inst. **New Synonymy.**

pierrei (Suárez, 1958) (*Smicromyrme*): Mem. Soc. entom. Ital. 37: 113, ♂, type locality: "Sahara Argelino" (Algeria), holotype in Suárez's coll., Almeria. – Distribution: North Africa: Algeria, Mauritania, Chad.

portschinskii (Radoszkowski, 1888) (*Mutilla*): Horae Soc. Ent. Ross. 22(3/4): 330, tab. 15, fig. 28, ♂ non ♀, type locality: "Caucasus", lectotype in Krakow Inst. Syst. Exper. Zool. (designated by Lelej, 1984: 109). – Distribution: Russia: SET (south-east); Asia: ARM, AZ, KZ, TU (south-west).

punctata (Latreille, 1792) (*Mutilla*): Act. Soc. Hist. Nat. Paris 1: 11, ♀, type locality: "Gallo-provincia" (France), syntypes unknown. – Distribution: Europe: E, P, F (south), I, M, H, R, Croatia. North Africa: Egypt, Tunisia, Algeria, Morocco.

quadripunctata (Olivier, 1811) (*Mutilla*): Encyclopedie methodique 8: 59, ♀, type locality: Algeria. Synonymized by André, 1903: 460.

quadrimaculata (Lucas, 1849) (*Mutilla*): Explor. sci. de l'Alg. 3: 296, tab. 16, fig. 4, ♀, type locality: Algeria, syntypes in Mus. Nat. d'Hist. Natur. Paris. Synonymized by André, 1896: 271.

melanothorax (André, 1901) (*Mutilla*, as variety of *punctata*): Spec. Hymen. d'Eur. et d'Alg. 8: 295, ♀, type locality: Algeria, syntypes in Mus. d'Hist. Natur. Paris. – Distribution: North Africa: Algeria.

pusilla (Klug, 1835) (*Mutilla*): Reise d. Tirol 2: 91, ♀, type locality: "Andalou-sie Puertoreal" (Spain), syntypes in Zool. Mus. Berlin. – Distribution: Europe: AL, Croatia, GR, E; Asia: CY; North Africa: Algeria, Morocco.

nigrithorax (André, 1902) (*Mutilla*, as variety of *pusilla*): Spec. Hymen. d'Eur. et d'Alg. 8: 308, ♀, type locality: Algeria, Morocco, syntypes in Mus. d'Hist. Natur. Paris. – Distribution: North Africa: Algeria, Morocco.

rubrocincta (Lucas, 1849) (*Mutilla*): Explor. sci. de l'Alg. 3: 289, tab. 15, fig. 12, ♂, type locality: "Algeria, La Calle", lectotype in Mus. Nat. d'Hist. Natur. Paris. (designated by Petersen, 1988: 170). – Distribution: Europe: YU, AL, GR, I, F, E, P; North Africa: Algeria, Tunisia, Morocco.

insularis Schuster, 1949 (*Physetopoda*): Entom. Amer. (n.s.) 29: 114, fig. 21, 28, 29, ♂, type locality: "Haiti", "San Domingo", actually Palaearctic, holotype in Mus. Nat. d'Hist. Natur. Paris. Synonymized by Brothers, 1983: 441.

jacobi (Invrea, 1953) (*Smicromyrme*): Bull. Soc. Sci. Natur. Maroc. 32: 285, ♂, type locality: "Fes" (Morocco), holotype in Genova Mus. Civ. Stor. Natur. Synonymized by Petersen, 1988: 170.

bitriangulata (Invrea, 1953) (*Smicromyrme*, as variety of *jacobi*): Bull. Soc. Sci. Natur. Maroc. 32: 287, ♂, type locality: "Marrakech" (Morocco), holotype in Genova Mus. Civ. Stor. Natur. – Distribution: North Africa: Morocco.

rubricula (Invrea, 1953) (*Smicromyrme*, as variety of *jacobi*): Bull. Soc. Sci. Natur. Maroc. 32: 287, ♂, type locality: "Marrakech" (Morocco), holotype in Genova Mus. Civ. Stor. Natur. – Distribution: North Africa: Morocco.

rufosquamulata (André, 1904) (*Mutilla*, as variety of *montana*): Ann. Soc. entom. France 72: 421, ♂, type locality: not given, actually Molinos (Spain), lectotype in Mus. d'Hist. Natur. Paris. (designated by Petersen, 1988: 173). – Distribution: Europe: E, F (south).

pronotalis (Mercet, 1903) (*Mutilla*, as variety of *montana*): Boln. R. Soc. esp. Hist. Nat. 3: 99, ♂, type locality: "Molinos" (Spain), syntypes probably in Madrid Inst. Español Ent. – Distribution: Europe: E.

scutellaris (Latreille, 1792) (*Mutilla*): Act. Soc. Hist. Nat. Paris 1: 10, ♂, type locality: "Habitat in provincia Inculismensi" (France), neotype in Copenhagen Univ. Zool. Mus. (designated by Petersen, 1988: 192). – Distribution: Europe: E, A, CH, I, Slovenia, Croatia, YU, F, D, CZ, SL, GR, R, H, ? Russia; Asia: ARM, TR; ? North Africa: Algeria, Tunisia.

bimaculata (Jurine, 1807) (*Mutilla*): Nouvelle methode: 268, tab. 12, fig., ♂, type locality: not given, probably Switzerland, holotype in Geneve Mus. d'Hist. Natur. Synonymized by Petersen, 1988: 192.

subcomata (Wesmael, 1852) (*Mutilla*): Bull. Acad. r. Belg. Cl. Sci. 18: 368, ♀, type locality: Belgium, holotype in Bruxelles Inst. Sci. Natur. Synonymized by Schmid-Egger and Petersen, 1993: 51.

nigrescens (André, 1901) (*Mutilla*, as variety of *subcomata*): Spec. Hymen. d'Eur. et d'Alg. 8: 265, ♀, type locality: South France, Switzerland, Croatia, Russia, Algeria, Tunisia, syntypes in Mus. d'Hist. Natur. Paris. – Distribution: Europe: F (south), CH, Croatia; ? Russia; North Africa: Algeria, Tunisia.

nigricollis (Hoffer, 1936) (*Smicromyrme*, as forma of *subcomata*): Casopis Cs. Spol. Ent. 33: 162, ♀, type locality: "Moravia, Tisnov" (Czechia), holotype probably in Praha Narodni Muz. **New Synonymy**.

castellaneta Pagliano, 1983 (*Smicromyrme*, as forma of *bimaculata*): Boll. Soc. entom. Ital. 115(1-3): 33, ♂, type locality: Puglia, Castellaneta Marina (Italy). Invalid according to article 15.2 of ICZN.

sericeiceps (André, 1901) (*Mutilla*, as variety of *subcomata*): Spec. Hymen. d'Eur. et d'Alg. 8: 265, ♀, type locality: "Corse" (France), lectotype in Mus. d'Hist. Natur. Paris (designated by Petersen, 1988: 167). – Distribution: Europe: H, YU, I, F, P, E.

moltonii (Invrea, 1955) (*Smicromyrme*): Atti Soc. Ital. Sci. Natur. 94(3-4): 250, figs 1d, 2e, ♀, type locality: Sardinia (Italy), holotype in Genova Mus.Civ. Stor. Natur. Synonymized by Petersen, 1988: 167.

similis (Lelej, 1984) (*Paramyrme*): Sistematsika nasekomykh: 111, fig. 17, 18, ♂, type locality: Asni, Armenia, holotype in St. Petersburg Zool. Inst. – Distribution: Europe: U (Crimea); Asia: TR, ARM, AZ.

trioma (Invrea, 1955) (*Smicromyrme*): Atti Soc. Ital. Sci. Natur. 94(3-4): 239, ♀, type locality: Sardinia (Italy), holotype in Genova Mus. Civ. Stor. Natur. – Distribution: Europe: I (Sardinia), F (Corsica).

turgajensis (Lelej, 1984) (*Smicromyrme*): Taxonomy and Zoogeography: 87, ♂, type locality: Turgajskaya oblast (Kazakhstan), holotype in St. Petersburg Zool. Inst. – Distribution: Russia: SET (south-east), South Ural; Asia: KZ, Mongolia (west).

unicincta (Lucas, 1849) (*Mutilla*): Explor. sci. de l'Alg. 3: 293, tab. 16, fig. 2, ♀, type locality: "Algeria", lectotype in Mus. Nat. d'Hist. Natur. Paris. (designated by Petersen, 1988: 173). – North Africa: Algeria.

34. Genus *Promecilla* André, 1903

Promecilla André, 1903: Genera Insectorum 11: 14. Type species: *Mutilla regia* Smith, 1855 (original designation). [Not Palaearctic].

primana Skorikov, 1935 (*Promecilla*): Tr. Tadzh. basy AN SSS R 5: 321, ♀, type locality: Khiva (Uzbekistan), lectotype in St. Petersburg Zool. Inst. (designated by Lelej, 1985: 181). – Distribution: Asia: UZ, TJ.

vinuta (Nagy, 1972) (*Smicromyrme*): Bull. Iraq nat. Hist. Mus. 5(2): 5, ♂, type locality: Afghanistan, holotype in Nagy's coll. – Distribution: Asia: Afghanistan.

35. Genus *Sinotilla* Lelej, 1995

Sinotilla Lelej, 1995: Far East. entomol. 13: 18. Type species: *Smicromyrme boheana* Chen, 1957 (original designation). [Not Palaearctic].

cyaneiventris (André, 1896) (*Mutilla*): Termes. Fuzetek. 19: 18, ♂, type locality: "North China", holotype in Budapest Hung. Nat. Mus. – Distribution: Asia: China: NO (Neimenggu, Hebei, Shanxi), CE (Jiangsu, Jiangxi, Zhejiang).

cyaneiventris cyaneiventris (André, 1896). – Distribution: Asia: China: NO (Hebei, Shanxi), CE (Jiangsu, Jiangxi, Zhejiang).

cyaneiventris gobiana (Chen, 1957) (*Smicromyrme*): Quart. J. Taiwan Mus. 10(3-4): 204, ♂, type locality: "Chahar" (China, Neimenggu), holotype in Heude Mus. Shanghai. – Distribution: Asia: China: NO (Neimenggu).

pekiniana (André, 1905) (*Mutilla*): Zeitschr. Hym. Dipt. 5: 214, ♀, type locality: "Pekin" (=Beijing) (China), lectotype in Mus. Nat. d'Hist. Natur. Paris (designated by Mickel, 1933: 319). – Distribution: Asia: China: NO (Hebei, Shanxi), CE (Jiangsu), SE (Fujian).

36. Genus *Skorikovia* Ovchinnikov, 2002

Skorikovia Ovchinnikov, 2002: Entomol. Invest. 22: 94. Type species *Mutilla elongata* Radoszkowski, 1885 (original designation).

elongata (Radoszkowski, 1885) (*Mutilla*): Horae Soc. Ent. Ross. 19(1/2): 17, fig. 13, ♂, type locality: "Caucasus, Iran", syntypes in Krakow Inst. Syst. Exper. Zool. – Distribution: Russia: SET; Asia: AZ, KZ, KY, TU, UZ, Iran (north), Afghanistan.

pura (André, 1901) (*Mutilla*, as variety of *elongata*): Spec. Hymen. d'Eur. et d'Alg. 8: 155, ♂, type locality: "Turkestan", syntypes in Mus. d'Hist. Natur. Paris. **New Synonymy**.

ambigua (Skorikov, 1935) (*Smicromyrme*): Tr. Tadzh. basy AN SSSR 5: 315, ♀, type locality: "Tashkent" (Uzbekistan), lectotype in St. Petersburg Zool. Inst. (designated by Lelej, 1985: 230). Synonymized by Ovchinnikov, 2002: 95.

baigacuma (Skorikov, 1935) (*Smicromyrme*): Tr. Tadzh. basy AN SSSR 5: 314, ♀, type locality: "Baigakum" (Kazakhstan), holotype in St. Petersburg Zool. Inst. Synonymized with *ambigua* by Lelej, 1985: 230.

gracilis (Skorikov, 1935) (*Smicromyrme*): Tr. Tadzh. basy AN SSSR 5: 315, ♀, type locality: "Zhulek" (Kazakhstan), lectotype in St. Petersburg Zool. Inst. (designated by Lelej, 1985: 230). Synonymized with *ambigua* by Lelej, 1985: 230.

kuznetzovi (Skorikov, 1935) (*Smicromyrme*): Tr. Tadzh. basy AN SSSR 5: 315, ♀, type locality: Khumsan (Kazakhstan), lectotype in St. Petersburg Zool. Inst. (designated by Lelej, 1985: 230). Synonymized with *ambigua* by Lelej, 1985: 230.

pallipes (Lelej, 1985) (*Smicromyrme*): Osy-nemki fauny SSSR: 243, ♂, type locality: "Khorasan" (Iran), holotype in St. Petersburg Zool. Inst. – Distribution: Asia: Iran (east).

pliginskiji (Lelej, 1984) (*Smicromyrme*): Taxonomy and Zoogeography: 81, ♂, type locality: "Crimea, Sevastopol" (Ukraine), holotype in St. Petersburg Zool. Inst. – Distribution: Europe: U (Crimea); Russia: SET, South Ural.

radoszkovskii (Skorikov, 1935) (*Ephutomma*): Tr. Tadzh. basy AN SSSR 5: 325, ♂, type locality: not given, probably Caucasus, syntypes probably in Krakow Inst. Syst. Exper. Zool. – Distribution: Russia: SET (Daghestan); Asia: AZ, GE.

transcaucasica (Lelej, 1985) (*Smicromyrme*): Osy-nemki fauny SSSR: 245, ♂, type locality: "Environs of Erevan" (Armenia), holotype in St. Petersburg Zool. Inst. – Distribution: Asia: ARM, AZ.

37. Genus *Smicromyrme* Thomson, 1870

Smicromyrme Thomson, 1870: Opuscula entomologica 2: 208. Type species: *Mutilla rufipes* Fabricius, 1787 (original designation).

Subgenus *Astomyrme* Schwartz, 1984

Astomyrme Schwartz, 1984: L'Entomol. 40(1): 22. Type species: *Smicromyrme ausonia* Invrea, 1950 (original designation).

asiatica Lelej, 1985 (*Smicromyrme*): Osy-nemki fauny SSSR: 221, ♂, type locality: Barsa-Kelmes Il. (Kazakhstan), holotype in St. Petersburg Zool. Inst. – Distribution: Asia: KZ, KY, UZ.

ausonia Invrea, 1950 (*Smicromyrme*): Mem. Soc. entom. Ital. 29: 23, ♂, type locality: "Liguria, Varazze" (Italy), holotype in Genova Mus. Civ. Stor. Natur. – Distribution: Europe: F (Corsica), I, GR, U (Crimea), MO; Russia: SET, South Ural; Asia: KZ, TU (Kopet-Dag), CY.

sabatia Invrea, 1953 (*Smicromyrme*): Boll. Soc. entom. Ital. 83: 9, fig. 1, ♀, type locality: "Liguria, Savona" (Italy), holotype in Genova Mus. Civ. Stor. Natur. Synonymized by Lelej, 1978: 82.

etrusca Invrea, 1950 (*Smicromyrme*, as variety of *ausonia*): Mem. Soc. entom. Ital. 29: 26, ♂, type locality: "Toscana, Legri" (Italy), holotype in Milano Mus. Civ. – Distribution: Europe: I.

esterina Pagliano, 1983 (*Smicromyrme*, as subspecies of *ausonia*): Boll. Soc. entom. Ital. 115(1-3): 31, ♂, type locality: Sicily (Italy), holotype in Torino Mus. Reg. Sci. Natur. – Distribution: Europe: I (Sicily).

inerma (Schwartz, 1984) (*Astomyrme*): l'Entomol. 40(1): 23, ♂, type locality: "Villecroze" (South France), holotype in Schwartz's coll. – Distribution: Europe: F (south).

massageta Lelej, 1985 (*Smicromyrme*): Osy-nemki fauny SSSR: 221, ♂, ♀, type locality: Barsa-Kelmes Il. (Kazakhstan), holotype ♂ in St. Petersburg Zool. Inst. – Distribution: Asia: KZ.

minuta Lelej, 1985 (*Smicromyrme*): Osy-nemki fauny SSSR: 222, ♂, type locality: Turkmenistan, holotype in St. Petersburg Zool. Inst. – Distribution: Asia: KZ, KY, UZ.

morawitzi Lelej, 1979 (*Smicromyrme*): Trudy vsesoyuzn. entom. obshtsh. 61: 169, ♂, ♀, type locality: Timur (south Kazakhstan), holotype in St. Petersburg Zool. Inst. – Distribution: Asia: KZ (south), UZ, TU, TJ.

nikoskajae Lelej, 1985 (*Smicromyrme*): Osy-nemki fauny SSSR: 220, ♂, type locality: "Khodzha-obi-garm" (Tajikistan), holotype in St. Petersburg Zool. Inst. – Distribution: Asia: KY, TJ.

opistomelas Invrea, 1950 (*Smicromyrme*, as variety of *subcomata*): Mem. Soc. entom. Ital. 29: 26, ♂, type locality: "Cirenaica, Bu Fachra (Libya), holotype in Genova Mus. Civ. Stor. Natur. – Distribution: Europe: I (Sardinia), E, North Africa: Morocco, Libya.

suberrata Invrea, 1957 (*Smicromyrme*): Mem. Soc. entom. Ital. 36: 199, ♂, type locality: "Ghedahia" (Libya), holotype in Genova Mus. Civ. Stor. Natur. – Distribution: Europe: E, F (south), I (south), M; North Africa: Egypt, Libya, Algeria, Morocco.

succedanea Ovchinnikov, 2002 (*Smicromyrme*): Entomol. Invest. 22: 86, ♂, ♀, type locality: "Chon-Aryk, Kyrgyzskii Range" (Kyrgyzstan), holotype ♂ in St. Petersburg Zool. Inst. – Distribution: Asia: KY.

Subgenus *Eremotilla* Lelej, 1985

Eremotilla (as subgenus of *Smicromyrme* Thomson, 1870) Lelej, 1985: Osy-nemki fauny SSSR: 223. Type species: *Smicromyrme tekensis* Skorikov, 1935 (original designation).

betpakdalensis Lelej, 1971 (*Smicromyrme*): Entom. obozr. 50(3): 677, ♀, type locality: Bural-Baytal (Kazakhstan), holotype in St. Petersburg Zool. Inst. – Distribution: Asia: KZ.

constans Ovchinnikov, 2002 (*Smicromyrme*): Entomol. Invest. 22: 92, ♂, ♀, type locality: "70 km N Bishkek" (Kyrgyzstan), holotype ♂ in St. Petersburg Zool. Inst. – Distribution: Asia: KY.

coracina Lelej, 1985 (*Smicromyrme*): Osy-nemki fauny SSSR: 226, ♂, type locality: Turgayskaya oblast (Kazakhstan), holotype in St. Petersburg Zool. Inst. – Distribution: Russia: South Ural, WS (Altai); Asia: KZ, KY, Mongolia (west).

gussakovskii Lelej, 1985 (*Smicromyrme*): Osy-nemki fauny SSSR: 229, ♀, type locality: Altyn-Kul (Uzbekistan), holotype in St. Petersburg Zool. Inst. – Distribution: Asia: UZ, TJ.

inconstans (Radoszkowski, 1885) (*Mutilla*): Horae Soc. Ent. Ross. 19(1/2): 20, fig. 17, ♂, type locality: between Syrdarja and Tashkent (Kazakhstan), lectotype in Moscow Zool. Mus. (designated by Lelej, 1976: 276). – Distribution: Asia: KZ, UZ, TU.

lehri Lelej, 1985 (*Smicromyrme*): Osy-nemki fauny SSSR: 228, ♀, type locality: Kurgan-Tyube (Tajikistan), holotype in St. Petersburg Zool. Inst. – Distribution: Asia: KZ, TU, UZ, TJ.

margiana Lelej, 1985 (*Smicromyrme*): Osy-nemki fauny SSSR: 227, ♂, type locality: Tashkepri (Turkmenistan), holotype in St. Petersburg Zool. Inst. – Distribution: Asia: TU.

mesasiatica Lelej, 1985 (*Smicromyrme*): Osy-nemki fauny SSSR: 225, ♂, type locality: 35 km SSW Kerki (Turkmenistan), holotype in St. Petersburg Zool. Inst. – Distribution: Asia: UZ, TU.

nigriceps Nonveiller, 1959 (*Smicromyrme*, as variety of *orientalis*): Zastita bilja 54: 115, ♀, type locality: "Thessalonique" (Greece), holotype in Nonveiller's coll., Zemun. – Distribution: Europe: U (Crimea), GR, YU, Macedonia; Russia: SET; Asia: GE, ARM, AZ, TU (Kopet-Dag), Iran (north).

orientalis Nonveiller, 1959 (*Smicromyrme*, nom. praeocc., non Mickel, 1933): Zastita bilja 54: 105, ♀, type locality: "Levadia" (Greece), holotype in Nonveiller's coll., Zemun.

maculata Nonveiller, 1959 (*Smicromyrme*, as variety of *orientalis*; nom. praeocc., non Hoffer, 1938): Zastita bilja 54: 115, ♀, type locality: "Styli" (Greece), holotype in Nonveiller's coll., Zemun. **New Synonymy.**

afasciata Nonveiller, 1972 (*Smicromyrme*, as forma of *orientalis*): Acta entom. Jugosl. 7(2): 8, ♀. Invalid according to article 15.2 of ICZN.

pseudoorientalis Nonveiller, 1979 (*Smicromyrme*): Arh. biol. Nauka, 28(1/2): 103. New name for *Smicromyrme orientalis* Nonveiller, 1959. Synonymized by Lelej, 1985: 231.

nonveilleri Invrea, 1954 (*Smicromyrme*): Mem. Soc. entom. Ital. 32: 154, ♀, type locality: "Montenegro" (Yugoslavia), syntypes in Genova Mus. Civ. Stor. Natur. and Nonveiller's coll., Zemun. – Distribution: Europe: R, Croatia, GR.

novaki Invrea, 1954 (*Smicromyrme*): Mem. Soc. entom. Ital. 32: 154, figs 1a, 2a, ♀, type locality: Dalmatia, Spalato (Croatia), holotype in Nonveiller's coll., Zemun. – Distribution: Europe: Croatia, R.

dalmatina Invrea, 1954 (*Smicromyrme*, as variety of *curtiventris*): Mem. Soc. entom. Ital. 32: 156, figs 1c, 2c, ♀, type locality: Dalmatia, Spalato (Croatia), holotype in Nonveiller's coll., Zemun. Synonymized by Petersen, 1988: 159.

perisii (Sichel et Radoszkowski, 1870) (*Mutilla*): Horae Soc. Ent. Ross. 6(4): 261, ♀, type locality: Corsica (France), holotype in Mus. Nat. d'Hist. Natur. Paris. – Distribution: Europe: F (Corsica), I (Sardinia).

rufocapitata Skorikov, 1935 (*Smicromyrme*): Tr. Tadzh. basy AN SSSR 5: 313, ♀, type locality: Turkestan (Kazakhstan), holotype in St. Petersburg Zool. Inst. – Distribution: Asia: KZ.

schwarzi Suárez, 1975 (*Smicromyrme*): Arch. Inst. Aclimat. 20: 165, fig. 3, 7, 10, ♂, type locality: "Antakya" (Turkey), holotype in Suárez's coll. Almeria. – Distribution: Europe: U (south); Asia: GE, AZ, TR.

tadzhikistanica Lelej, 1985 (*Smicromyrme*): Osy-nemki fauny SSSR: 226, ♂, type locality: 5 km N Dushanbe (Tajikistan), holotype in St. Petersburg Zool. Inst. – Distribution: Asia: TJ.

tekensis Skorikov, 1935 (*Smicromyrme*): Tr. Tadzh. basy AN SSSR 5: 317, ♀, type locality: Dzhulek (Kazakhstan), lectotype in St. Petersburg Zool. Inst. (designated by Lelej, 1976: 273). – Distribution: Asia: KZ, KY, UZ, TU, TJ, China: NW (Xinjiang), Mongolia.

nigrocapitata Skorikov, 1935 (*Smicromyrme*, as variety of *curtiventris*): Tr. Tadzh. basy AN SSSR 5: 317, ♀, type locality: Belyaevka (Kyrgyzstan), lectotype in St. Petersburg Zool. Inst. (designated by Lelej, 1985: 223). Synonymized by Lelej, 1985: 223.

triangularis (Radoszkowski, 1865) (*Mutilla*): Bull. Soc. Imper. Natur. Moscou 38(2): 448, tab. 7, fig. 16, ♀, type locality: "Saratov, Kasan, Spask" (Russia), syntypes probably in Krakow Inst. Syst. Exper. Zool. – Distribution: Europe: U; Russia: CET (Kasan), South Ural, SET.

verhoeffi Suárez, 1959 (*Smicromyrme*): Eos 35(3): 296, ♂, type locality: "Dieulefit" (France), holotype in Suárez's coll. Almeria. – Distribution: Europe: F (south).

vladani Nonveiller, 1972 (*Smicromyrme*): Acta entom. Jugosl. 7(2): 8, ♀, type locality: Crete, Iraklion (Greece), holotype in Nonveiller's coll., Zemun. – Distribution: Europe: GR (Crete).

infuscata Nonveiller, 1972 (*Smicromyrme*, as forma of *vladani*): Acta entom. Jugosl. 7(2): 11, ♀, type locality: Crete, Iraklion (Greece), holotype in Nonveiller's coll., Zemun. Invalid according to article 15.2 of ICZN.

deminuta Nonveiller, 1972 (*Smicromyrme*, as forma of *vladani*): Acta entom. Jugosl. 7(2): 11, ♀, type locality: Crete, Iraklion (Greece), holotype in Nonveiller's coll., Zemun. Invalid according to article 15.2 of ICZN.

Subgenus *Erimyrme* Lelej, 1985

Erimyrme (as subgenus of *Smicromyrme* Thomson, 1870) Lelej, 1985: Osy-nemki fauny SSSR: 236. Type species: *Smicromyrme septentrionalis* Hoffer, 1936 (=*Mutilla sicana* De Stefani, 1887) (original designation).

azerbaidzhanica Lelej, 1985 (*Smicromyrme*): Osy-nemki fauny SSSR: 238, ♂, type locality: Talysh river, 12 km S Lenkoran (Azerbaijan), holotype in St. Petersburg Zool. Inst. – Distribution: Asia: AZ, TU (south-west).

bidenticulata Chen, 1957 (*Smicromyrme*): Quart. J. Taiwan Mus. 10(3-4): 199, fig. 51, ♂, type locality: "Shantung, Tsinan" (China, Shandong), holotype in Heude Mus. Shanghai. – Distribution: Russia: FE (Primorskii krai); Asia: Mongolia (east), China: NO (Neimenggu, Shandong), CE (Jiangsu).

hasanensis Lelej, 1977 (*Smicromyrme*): Nasekomye Dalnego Vostoka: 91, ♀, ♂, type locality: 7 km E Khasan (Russia: Primorskii krai), holotype ♀ in St. Petersburg Zool. Inst. Synonymized by Lelej, 1985: 239.

monopunctata Lelej, 1977 (*Smicromyrme*, as forma of *hasanensis*): Nasekomye Dalnego Vostoka: 94, ♀, type locality: Russia: Primorskii krai. Invalid according to article 15.2 of ICZN.

apunctata Lelej, 1977 (*Smicromyrme*, as forma of *hasanensis*): Nasekomye Dalnego Vostoka: 94, ♀, type locality: Russia: Primorskii krai. Invalid according to article 15.2 of ICZN.

borceai Nagy, 1968 (*Smicromyrme*): Lucr. ses. stiint.: 220, ♀, type locality: "Agigea" (Romania), holotype in Nagy's coll. – Distribution: Europe: R.

kurzenkoi Lelej, 1985 (*Smicromyrme*): Osy-nemki fauny SSSR: 238, ♂, type locality: Ili river (Kazakhstan), holotype in St. Petersburg Zool. Inst. – Distribution: Asia: KZ (south-east), KY.

pulawskii Suárez, 1975 (*Smicromyrme*): Arch. Inst. Aclimat. 20: 159, figs 2, 6, 9, ♂, type locality: "Aitos" (Bulgaria), holotype in Suárez's coll., Almeria. – Distribution: Europe: BG, GR (Rhodes); Asia TR.

ambigua Invrea, 1954 (*Smicromyrme*, as variety of *rufipes*, nom. praeocc., non Skorikov, 1935): Mem. Soc. entom. Ital. 32: 152, ♂, type locality: Dalmatia, Spalato (Croatia) holotype in Nonveiller's coll., Zemun. Synonymized by Petersen, 1988: 194.

sicana (De Stefani, 1887) (*Mutilla*, as variety of *ephippium*): Natural. Sicil. 6: 62, ♂, type locality: Sicily (Italy), lectotype in Mus. Nat. d'Hist. Natur., Paris. (designated by Petersen, 1988: 194). – Distribution: Europe: F, I, YU, Croatia, AL, GR, H, A, U, CZ, SL, R, TR; Russia: SET, South Ural, WS (Altai); Asia: TR, Syria.

septentrionalis Hoffer, 1936 (*Smicromyrme*, as subspecies of *pusilla*): Casopis Cs. Spol. Ent. 33: 162, fig. 7, ♀, type locality: Slovakia, Parkan", syntypes in Praha Narodni Muz. and Wien Mus. Synonymized by Petersen, 1988: 194.

gregory Hoffer, 1936 (*Smicromyrme*, as forma of *pusilla septentrionalis*): Casopis Cs. Spol. Ent. 33: 163, ♀, type locality: Moravia, Slovakia, syntypes in Praha Narodni Muz. Invalid according to article 45.5 of IZN. Synonymized by Petersen, 1988: 194.

lutescens Invrea, 1954 (*Smicromyrme*, as variety of *rufipes*): Mem. Soc. entom. Ital. 32: 153, ♂, type locality: Dalmatia, Incoronata Il. (Croatia), holotype in Nonveiller's coll., Zemun. Synonymized by Petersen, 1988: 194.

stepposa Lelej, 1984 (*Smicromyrme*): Taxonomy and Zoogeography: 81, ♂, type locality: Crimea, Sevastopol (Ukraine), holotype in St. Petersburg Zool. Inst. – Distribution: Europe: U (Crimea); Russia: SET; Asia: KZ (west).

Subgenus *Rhombotilla* Nagy, 1966

Rhombotilla (as subgenus of *Smicromyrme* Thomson, 1870) Nagy, 1966: Reichenbachia 6(13): 113. Type species: *Smicromyrme (Rhombotilla) riparia* Nagy, 1966 (original designation).

riparia Nagy, 1966 (*Smicromyrme*): Reichenbachia 6(13): 115, ♀, type locality: "Agigea near Konstanza" (Romania), holotype in Nagy's coll. – Distribution: Europe: R.

Subgenus *Smicromyrme* Thomson, 1870

cephalotes Lelej, 1985 (*Smicromyrme*): Osy-nemki fauny SSSR: 235, ♀, type locality: Tajikistan, holotype in St. Petersburg Zool. Inst. – Distribution: Asia: TJ.

iliensis Lelej, 1985 (*Smicromyrme*): Osy-nemki fauny SSSR: 235, ♀, type locality: environs of Alma-Ata (Kazakhstan), holotype in St. Petersburg Zool. Inst. – Distribution: Asia: KZ (south-east), KY.

lampedusia Invrea, 1957 (*Smicromyrme*): Boll. Soc. entom. Ital. 87(1-2): 16, ♀, type locality: Lampedusa II. (Italy), holotype in Genova Mus. Civ. Stor. Natur. – Distribution: Europe: I (Lampedusa).

lewisi Mickel, 1935 (*Smicromyrme*): Trans. R. Entom. Soc. London 83: 288, ♀. New name for *Mutilla japonica* Cameron, 1900. – Distribution: Russia: ES (Irkutskaya oblast, Transbaicalia), FE (Amurskaya oblast, Khabarovskii krai, Primorskii krai, Sakhalin, Kunashir II.); Asia: Mongolia, China (Neimenggu, Hebei, Shandong, Jiangsu, Anhui, Jiangxi, Fujian), Korea, Japan (from Hokkaido to Tanegashima).

japonica (Cameron, 1900) (*Mutilla*, nom. praeocc., non Dalla Torre, 1897): Mem. Proc. Manch. lit. phil. Soc. 44: 76, ♀, type locality: "Hakodate", (Japan, Hokkaido), holotype in London Brit. Mus. Nat. Hist.

cameroni (Yano, 1932) (*Mutilla*, nom. praeocc., non Schulz, 1906): Iconographia insectorum Japonicorum: 326, ♂, ♀, type locality: "Honshu, Kyushu", (Japan), syntypes unknown. Synonymized by Mickel, 1935: 289.

yanoi Mickel, 1935 (*Smicromyrme*, as subspecies of *lewisi*): Trans. R. Entom. Soc. London 83: 289, ♀, ♂. New name for *Mutilla cameroni* Yano, 1932. Synonymized by Lelej, 1985: 233.

nigricula Mickel, 1935 (*Smicromyrme*, as subspecies of *lewisi*): Trans. R. Entom. Soc. London 83: 289, ♂, type locality: Jozankei (Japan, Hokkaido), holotype in Univ. Minnesota, St. Paul. Synonymized by Lelej, 1985: 233.

momidziyama Tsuneki, 1972 (*Smicromyrme*): Etienzia 61: 17, ♀, type locality: Sapporo (Japan, Hokkaido), holotype in Mus. Nat. Human Activity, Hyogo. **New Synonymy**.

nikolajevi Lelej, 1985 (*Smicromyrme*): Osy-nemki fauny SSSR: 235, ♀, type locality: 4 km S Alma-Ata (Kazakhstan), holotype in St. Petersburg Zool. Inst. – Distribution: Asia: KZ, KY, Mongolia (west).

ruficollis (Fabricius, 1793) (*Mutilla*): Entomologia systematica 2: 371, ♂, type locality: "In Italia" (Italy), lectotype in Copenhagen Univ. Zool. Mus. (designated by Petersen, 1988: 188). – Distribution: Europe: U, I, F (Corsica), A, Croatia, BH, YU, Macedonia, GR, BG, E, F, M; Russia: WS (Altai); Asia: KZ, TR.

ruficollis ruficollis (Fabricius, 1793). – Distribution: Europe: U, I, A, Croatia, BH, YU, Macedonia, GR, BG, E, F, M; Russia: WS (Altai); Asia: KZ, TR.

kiritshenkoae Skorikov, 1935 (*Smicromyrme*): Tr. Tadzh. basy AN SSSR 5: 315, ♀, type locality: Crimea (Ukraine), holotype in St. Petersburg Zool. Inst. Synonymized by Lelej, 1978: 82.

ruficollis ceresae Invrea, 1952 (*Smicromyrme*): Atti Soc. Ital. Sci. Natur. 91: 227, ♀, type locality: "Sardinia" (Italy), holotype in Genova Mus. Civ. Stor. Natur. – Distribution: Europe: I (Sardinia), F (Corsica).

berlandi Invrea, 1953 (*Smicromyrme*, as variety of *rufipes*): Boll. Soc. entom. Ital. 83: 16, ♂, type locality: "Corsica" (France), holotype in Mus. Nat. d'Hist. Natur. Paris. Synonymized by Petersen, 1988: 189.

rufipes (Fabricius, 1787) (*Mutilla*): Mantissa Insectorum 1: 312, ♀, type locality: "Halae Saxonum" (Germany), syntypes probably lost. – Distribution: Europe: E (north), F, I (north, ? Sicily), Slovenia, Croatia, BH, YU, CH, A, D, H, CZ, SL, U, BE, S, SF; Russia: NET, CET, SET, South Ural, WS (Altai), ES (Yakutsk); Asia: KZ.

nigra (Rossi, 1792) (*Mutilla*): Mantissa Insectorum 1: 148, ♂, type locality: Toscana, dint. di Pisa (Italy), syntypes unknown. Synonymized by Sichel and Radoszkowski, 1870: 200.

ephippium (Rossi, 1792) (*Mutilla*): Mantissa Insectorum 1: 148, ♂, type locality: "in campis sabulosis Pisanis" (Italy), syntypes unknown. Synonymized by Morawitz, 1865: 132.

sellata (Panzer, 1797) (*Mutilla*): Faune Insectorum Germanicae oder Deutschlands insecten 46: 19, ♀, type locality: "Germania" (Germany), syntypes unknown. Synonymized by André, 1903: 453.

nigrita (Panzer, 1801) (*Mutilla*): Faune Insectorum Germanicae oder Deutschlands insecten 80: 22, ♂, type locality: "Germania" (Germany), syntype in Copenhagen Copenhagen Univ. Zool. Mus. Synonymized by Sichel and Radoszkowski, 1870: 202.

petiolaris (Fabricius, 1804) (*Mutilla*): Systema piezatorum: 437, ♀, type locality: "Habitat in Germania" (Germany), lectotype in Copenhagen Univ. Zool. Mus. (designated by Petersen, 1988: 186). Synonymized by Petersen, 1988: 190.

gibba (Baer, 1848) (*Mutilla*): Bull. Soc. Imp. Natur. Moscou 21(1): 231, tab. 2, fig. 5, ♀, type locality: "Habitat circum Romen" (Ukraine), syntypes probably lost. Synonymized by Morawitz, 1865: 133.

nemoralis (Baer, 1848) (*Mutilla*): Bull. Soc. Imp. Natur. Moscou 21(1): 231, tab. 2, fig. 6, ♀, type locality: "Oka river near Kashira" (Russia: CET), syntypes probably lost. Synonymized by Lelej, 1985: 232.

platiensis (De Stefani, 1897) (*Mutilla*, as variety of *rufipes*): Natural. Sicil. 2(4): 81, ♂, type locality: "Piazza Armerina" (Sicily, Italy), syntypes unknown. – Distribution: Europe: I (Sicily).

fulvogaster (André, 1901) (*Mutilla*, as variety of *rufipes*): Spec. Hymen. d'Eur. et d'Alg. 8: 277, ♀, type locality: "Autriche, Moravie" (Austria, Czechia), syntypes in Mus. d'Hist. Natur. Paris. Synonymized by Petersen, 1988: 190.

dusmeti (Mercet, 1905) (*Mutilla*, as variety of *rufipes*): Boln. R. Soc. Esp. Hist. Nat. 5: 494, ♂, type locality: "Albarracin" (Spain), syntypes in Madrid Inst. Español Ent. – Distribution: Europe: E.

nigricollaris Skorikov, 1935 (*Smicromyrme*, as variety of *rufipes*): Tr. Tadzh. basy AN SSSR 5: 318, ♀, type locality: "Kuryazh" (Ukraine), lectotype in St. Petersburg Zool. Inst. (designated by Lelej, 1985: 232). Synonymized by Lelej, 1985: 232.

zavadili Hoffer, 1938 (*Smicromyrme*, as forma of *rufipes*): Sb. ent. Odd. nar. Mus. Praze 16: 188, ♂, type locality: "Somotor" (Slovakia), holotype probably in Praha Narodni Muz. **New Synonymy**.

lidmilae Hoffer, 1938 (*Smicromyrme*, as forma of *rufipes*): Sb. ent. Odd. nar. Mus. Praze 16: 188, ♂, type locality: "Somotor" (Slovakia), holotype probably in Praha Narodni Muz. **New Synonymy**.

kuehlhorni Invrea, 1963 (*Smicromyrme*): Boll. Soc. entom. Ital. 93(1-2): 31, fig. 1, ♀, type locality: "Munich" (South Germany), lectotype in Munchen Zool. Samml. (designated by Petersen, 1988: 191). Synonymized by Petersen, 1988: 190.

globosa Franz, 1982 (*Smicromyrme*): Denkschr. ost. Akad. Wiss. 124: 369, ♀. Nomen nudum. Synonymized by Petersen, 1988: 190.

serta (Radoszkowski, 1885) (*Mutilla*): Horae Soc. Ent. Ross. 19(1/2): 46, ♀, type locality: "Orenburg" (Russia: South Ural), holotype in Zool. Mus. Berlin. – Distribution: Russia: South Ural.

strandii (Zavattari, 1913) (*Mutilla*): Arch. Naturgesch. 79A(3): 36, ♂, type locality: Taiwan (China), lectotype in Berlin Zool. Mus. (designated by Mickel, 1933: 416). – Distribution: Asia: China: NO (Shanxi), CE (Jiangxi, Zhejiang), SE (Fujian, Guangdong, Taiwan).

tristis Lelej, 1984 (*Smicromyrme*): Taxonomy and Zoogeography: 82, ♂, type locality: Central Kazakhstan, holotype in St. Petersburg Zool. Inst. – Distribution: Europe: U; Russia: South Ural; Asia: KZ.

viktorovi Lelej, 1984 (*Smicromyrme*): Taxonomy and Zoogeography: 83, ♂, type locality: Volgogradskaya oblast (Russia: SET), holotype in St. Petersburg Zool. Inst. – Distribution: Russia: SET; Asia: AZ, GE.

Smicromyrme incertae sedis

agusii (Costa, 1884) (*Mutilla*): Atti Accad. Sci. Fis. Mat. Napoli (2)1(9): 55, ♂, type locality: Sardinia (Italy), syntypes in Mus. Zool. Univ. Napoli. – Distribution: Europe: I (Sardinia), F (Corsica).

balianii Invrea, 1932 (*Smicromyrme*): Boll. Soc. entom. Ital. 64: 144, ♂, type locality: Liguria (Italy), syntypes in Genova Mus. Civ. Stor. Natur. – Distribution: Europe: I; North Africa: ? Morocco.

beaumonti Invrea, 1953 (*Smicromyrme*): Bull. Soc. Sci. Natur. Maroc. 32: 283, ♂, type locality: "Safi a Mogador" (Morocco), syntypes in Genova Mus. Civ. Stor. Natur. – Distribution: North Africa: Morocco.

bengasiana Invrea, 1932 (*Smicromyrme*): Mem. Soc. entom. Ital. 11: 75, ♂, type locality: "Bengasi" (Libya), syntypes in Genova Mus. Civ. Stor. Natur. – Distribution: North Africa: Libya.

berberica (André, 1902) (*Mutilla*): Spec. Hymen. d'Eur. et d'Alg. 8: 357, ♂, type locality: "Oued Deurdeur" (Algeria), syntypes in Paris. – Distribution: North Africa: Algeria, Morocco.

melanosoma Suárez, 1958 (*Smicromyrme*, as variety of *berberica*): Mem. Soc. entom. Ital. 37: 115, ♂, type locality: "Uixan" (Morocco), holotype in Suárez's coll., Almeria. – Distribution: North Africa: Morocco.

bletoni Giner, 1959 (*Smicromyrme*): Eos 35(4): 397, fig. 2, ♀, type locality: "Ifrane" (Morocco), holotype in Madrid Inst. Español Ent. – Distribution: North Africa: Morocco.

bytinskii Invrea, 1965 (*Smicromyrme*): Mem. Soc. entom. Ital. 44: 84, ♀, type locality: "Khan Chardur" (Palestine), holotype in Bytinski Salz's coll. (Univ. Tel Aviv). – Distribution: Asia: Palestine.

rufula Invrea, 1965 (*Smicromyrme*, as forma of *bytinskii*): Mem. Soc. ent. Ital. 44: 85, ♀, type locality: Palestine, syntypes in Bytinski Salz's coll. (Univ. Tel Aviv). Invalid according to article 15.2 of ICZN.

ceballosi Suárez, 1959 (*Smicromyrme*): Eos 35(1): 101, ♀, type locality: "Sierra de Guadarrama" (Spain), holotype in Madrid Inst. Español Ent. – Distribution: Europe: E.

chinensis (Smith, 1855) (*Mutilla*): Cat. Hymen. 3: 38, ♀, type locality: "North China", holotype in London Brit. Mus. Nat. Hist. – Distribution: Asia: China: CE (Jiangsu, Anhui).

castrensis Invrea, 1954 (*Smicromyrme*, as variety of *crassicornis*): Mem. Soc. entom. Ital. 32: 157, ♂, type locality: Dalmatia, Castel Sucurae (Croatia), holotype in Nonveiller's coll., Zemun. – Distribution: Europe: Croatia, R.

crassicornis (Maidl, 1922) (*Mutilla*, nom. praeocc., non Smith, 1879): Ann. Naturhist. Mus. Wien 35: 41, ♂, type locality: "Dalmatia, Salona" (Croatia), holotype in Wien Naturhist. Mus. **New Synonymy**.

cristinae Lo Cascio, 2000 (*Smicromyrme*): Fragm. entomol. 32(2): 305, ♀, type locality: Cyclades (Greece), holotype in Mus. Stor. Nat. Univ. Florence. – Distribution: Europe: GR.

damascena Invrea, 1962 (*Smicromyrme*): Boll. Soc. entom. Ital. 92(9-10): 134, ♂, type locality: "Han Mesra" (Syria), holotype in Genova Mus. Civ. Stor. Natur. – Distribution: Asia: Syria.

defixa Invrea, 1953 (*Smicromyrme*): Bull. Soc. Sci. Natur. Maroc. 32: 287, ♂, type locality: "Amismiz" (Morocco), holotype in Genova Mus. Civ. Stor. Natur. – Distribution: North Africa: Morocco.

ellipsifera (Gribodo, 1884) (*Mutilla*): Ann. Mus. Civ. St. Nat. Genova 20: 390, ♀, type locality: "Massaua" (Eritrea), syntypes in Genova Mus. Civ. Stor. Natur. – Distribution: Africa: Egypt, Eritrea.

arsinoensis (André, 1896) (*Mutilla*): Mem. Soc. Zool. France 9: 275, ♀, type locality: Suez (Egypt), holotype in Mus. Nat. d'Hist. Natur. Paris. Synonymized by Bischoff, 1921: 574.

elonica Invrea, 1965 (*Smicromyrme*): Mem. Soc. entom. Ital. 44: 89, ♀, type locality: "Elon" (Palestine), holotype in Bytinski Salz's coll. (Univ. Tel Aviv). – Distribution: Asia: Palestine.

eltihnica Invrea, 1960 (*Smicromyrme*): Mem. Soc. entom. Ital. 38: 213, ♀, type locality: "Wadi El Tih" (Egypt), syntypes in Genova Mus. Civ. Stor. Natur. – Distribution: North Africa: Egypt.

ferdinandi Invrea, 1953 (*Smicromyrme*): Bull. Soc. Sci. Natur. Maroc. 32: 291, ♂, type locality: "Fes" (Morocco), holotype in Genova Mus. Civ. Stor. Natur. – Distribution: Europe: E; North Africa: Morocco.

ferrugineiceps (André, 1902) (*Mutilla*, as variety of *pusilla*): Spec. Hymen. d'Eur. et d'Alg. 8: 308, ♀, type locality: "Jerico" (Palestine), syntypes in Paris. – Distribution: Asia: Palestine.

ferrugineipes (André, 1910) (*Mutilla*, as variety of *subcomata*): Mem. Soc. ent. d'Egypt 1(2): 65, ♀, type locality: Egypt, syntypes in Mus. d'Hist. Natur. Paris. – Distribution: Asia: Palestine; North Africa: Egypt, Libya.

gebatana Invrea, 1953 (*Smicromyrme*): Boll. Soc. entom. Ital. 83: 13, ♂, type locality: "Palestine, Gebata", syntypes in Genova Mus. Civ. Stor. Natur. – Distribution: Asia: Palestine.

giarabubensis Invrea, 1932 (*Smicromyrme*): Mem. Soc. entom. Ital. 11: 73, ♀, type locality: "Oasi di Giarabub" (Libya), holotype in Genova Mus. Civ. Stor. Natur. – Distribution: North Africa: Libya.

gineri Invrea, 1953 (*Smicromyrme*): Bull. Soc. Sci. Natur. Maroc. 32: 278, ♀, type locality: "Tiznit" (Morocco), syntypes in Genova Mus. Civ. Stor. Natur. – Distribution: North Africa: Morocco.

gridellii Invrea, 1960 (*Smicromyrme*): Mem. Soc. entom. Ital. 38: 211, ♀, type locality: "Kirdassah" (Egypt), holotype in Genova Mus. Civ. Stor. Natur. – Distribution: North Africa: Egypt.

hierosolymitana Invrea, 1953 (*Smicromyrme*): Boll. Soc. entom. Ital. 83: 12, ♀, type locality: "Palestine, Gerusalemme", holotype in Genova Mus. Civ. Stor. Natur. – Distribution: Asia: Palestine.

implicata Invrea, 1953 (*Smicromyrme*): Bull. Soc. Sci. Natur. Maroc. 32: 288, ♂, type locality: "Marrakech" (Morocco), syntypes in Genova Mus. Civ. Stor. Natur. – Distribution: North Africa: Morocco.

ingauna Invrea, 1958 (*Smicromyrme*): Boll. Soc. entom. Ital. 88(9-10): 145, ♀, type locality: Liguria, Albenga" (Italy), holotype in Genova Mus. Civ. Stor. Natur. – Distribution: Europe: I, R.

varinella Invrea, 1960 (*Smicromyrme*): Boll. Soc. entom. Ital. 90: 144, ♂, type locality: Piemonte, Arquata Scrivia (Italy), holotype in Genova Mus. Civ. Stor. Natur. Synonymized by Turrisi, 1999: 145.

innesi (André, 1893) (*Mutilla*): Mem. Soc. zool. France 6: 293, ♀, type locality: "Caire" (Egypt), syntypes in Mus. d'Hist. Natur. Paris. – Distribution: North Africa: Egypt.

kurda (Skorikov, 1935) (*Smicromyrme*): Tr. Tadzh. basy AN SSSR 5: 315, ♀, type locality: "Environs of Erevan" (Armenia), lectotype in St. Petersburg Zool. Inst. (designated by Lelej and Kabakov, 1980: 194). – Distribution: Asia: GE, ARM, AZ, Iran (north).

subtunensis (Skorikov, 1935) (*Smicromyrme*, as subspecies of *kurda*): Tr. Tadzh. basy AN SSSR 5: 315, ♀, type locality: "Eldar near Tiflis" (Georgia), lectotype in St. Petersburg Zool. Inst. (designated by Lelej and Kabakov, 1980: 194). Synonymized by Lelej and Kabakov, 1980: 194.

persa (Skorikov, 1935) (*Smicromyrme*): Tr. Tadzh. basy AN SSSR 5: 316, ♀, type locality: "Azni" (Armenia), lectotype in St. Petersburg Zool. Inst. (designated by Lelej and Kabakov, 1980: 194). Synonymized by Lelej and Kabakov, 1980: 194.

longistigma Invrea, 1960 (*Smicromyrme*): Mem. Soc. entom. Ital. 38: 208, ♂, type locality: "Wadi Hoff" (Egypt), holotype in Genova Mus. Civ. Stor. Natur. – Distribution: North Africa: Egypt.

lucens Invrea, 1963 (*Smicromyrme*): Mem. Soc. entom. Ital. 42: 22, ♂, type locality: "Meadi" (Egypt), syntypes in Genova Mus. Civ. Stor. Natur. – Distribution: North Africa: Egypt.

lybica Invrea, 1932 (*Smicromyrme*): Mem. Soc. entom. Ital. 11: 72, ♂, type locality: "Sidi Mesri" (Libya), holotype in Genova Mus. Civ. Stor. Natur. – Distribution: North Africa: Egypt, Libya, Morocco, Western Sahara.

libyca Invrea, 1953 (*Smicromyrme*): Bull. Soc. Sci. Natur. Maroc. 32: 281, ♂. Junior synonym according to article 33.2.3 of ICZN. **New Synonymy.**

femoralis Invrea, 1953 (*Smicromyrme*, as variety of *libyca*): Bull. Soc. Sci. Natur. Maroc. 32: 282, ♂, type locality: Marrakech (Morocco), syntypes in Genova Mus. Civ. Stor. Natur. – Distribution: North Africa: Morocco.

obscurata Invrea, 1953 (*Smicromyrme*, as variety of *libyca*): Bull. Soc. Sci. Natur. Maroc. 32: 282, ♂, type locality: Goulimine (Morocco), holotype in Genova Mus. Civ. Stor. Natur. – Distribution: North Africa: Morocco.

complecta Invrea, 1960 (*Smicromyrme*, as forma of *lybica*): Mem. Soc. entom. Ital. 38: 207, ♂, type locality: Egypt, syntypes in Genova Mus. Civ. Stor. Natur. – Distribution: North Africa: Egypt.

fusca Invrea, 1932 (*Smicromyrme*, as variety of *lybica*): Mem. Soc. entom. Ital. 11: 73, ♂, type locality: "Giarabub" (Libya), holotype in Genova Mus. Civ. Stor. Natur. – Distribution: North Africa: Libya.

invreai Giner, 1945 (*Smicromyrme*, as variety of *lybica*): Eos 21: 255, ♂, type locality: "Genei Ali" (Western Sahara), holotype in Madrid Inst. Español Ent. – Distribution: North Africa: Western Sahara.

mareotica Invrea, 1951 (*Smicromyrme*): Boll. Soc. entom. Ital. 81: 34, ♀, type locality: "Ikingi Mariout" (Egypt), holotype in Genova Mus. Civ. Stor. Natur. – Distribution: North Africa: Egypt, Libya.

mateui Suárez, 1953 (*Smicromyrme*): Boll. Soc. entom. Ital. 83(9-10): 128, ♀, type locality: "Biskra" (Algeria), holotype in Suárez's coll., Almeria. – Distribution: North Africa: Morocco.

matritensis (Mercet, 1905) (*Mutilla*): Boln. R. Soc. Esp. Hist. Nat. 5: 493, ♂, type locality: "Madrid" (Spain), syntypes in Madrid Inst. Español Ent. – Distribution: Europe: E.

matruhana Invrea, 1960 (*Smicromyrme*): Mem. Soc. entom. Ital. 38: 207, ♂, type locality: Egypt, syntypes in Genova Mus. Civ. Stor. Natur. – Distribution: North Africa: Egypt.

mauromoustakisi Invrea, 1940 (*Smicromyrme*): Boll. Soc. entom. Ital. 72: 120, ♀, type locality: "Limassol" (Cyprus), holotype in Genova Mus. Civ. Stor. Natur. – Distribution: Asia: Palestine, CY.

melanolepis (Costa, 1884) (*Mutilla*, as variety of *hispanica*): Atti Accad. Sci. Fis. Mat. Napoli (2)1(9): 54, ♂, type locality: Sardinia (Italy), syntypes in Mus. Zool. Univ. Napoli. – Distribution: Europe: I (Sardinia, Sicily), F (Corsica).

merceti (André, 1904) (*Mutilla*): Ann. Soc. entom. France 72: 419, ♂, type locality: "l'Escorial" (Spain), holotype in Mus. d'Hist. Natur. Paris. – Distribution: Europe: E.

metanotalis (André, 1902) (*Mutilla*, as variety of *partita*): Spec. Hymen. d'Eur. et d'Alg. 8: 360, ♂, type locality: Spain, lectotype in Paris Mus. Nat. d'Hist. natur. (designated by Suárez, 1959: 294). – Distribution: Europe: E, P.

metanotalis metanotalis (André, 1902). – Distribution: Europe: E.

metanotalis andradei Suárez, 1954 (*Smicromyrme*): Mem. Est. Mus. Zool. Univ. Coimbra 222: 2, ♂, type locality: "de Rezende" (Portugal), holotype in Suárez's coll., Almeria. – Distribution: Europe: P.

notomelanica Suárez, 1954 (*Smicromyrme*, as variety of *andradei*): Mem. Est. Mus. Zool. Univ. Coimbra 222: 6, ♂, type locality: "de Rezende" (Portugal), holotype in Andrade's coll., Lisbon. – Distribution: Europe: P.

mochii Invrea, 1962 (*Smicromyrme*): Boll. Soc. entom. Ital. 92(9-10): 133, ♀, type locality: "Mezze" (Syria), syntypes in Genova Mus. Civ. Stor. Natur. – Distribution: Asia: Syria.

naefi Invrea, 1953 (*Smicromyrme*): Bull. Soc. Sci. Natur. Maroc. 32: 290, ♂, type locality: "Amismiz, Marrakech" (Morocco), syntypes in Genova Mus. Civ. Stor. Natur. – Distribution: North Africa: Morocco.

negrei Suárez, 1965 (*Smicromyrme*): Eos 40(3-4): 577, fig. 3, ♀, type locality: "Mazuza" (Morocco), holotype in Suárez's coll., Almeria. – Distribution: Europe: E, P; North Africa: Morocco.

nuptura (Mercet, 1905) (*Mutilla*): Boln. R. Soc. esp. Hist. Nat. 5: 492, ♂, type locality: "Escorial" (Spain), syntypes in Madrid Inst. Español Ent. – Distribution: Europe: E.

bifilli (Mercet, 1905) (*Mutilla*, as variety of *nuptura*): Boln. R. Soc. esp. Hist. Nat. 5: 492, ♂, type locality: "La Garriga" (Spain), syntypes in Madrid Inst. Español Ent. – Distribution: Europe: E.

pardoi Suárez, 1953 (*Smicromyrme*): Boll. Soc. entom. Ital. 83(9-10): 126, ♀, type locality: "Kandussi, Melilla" (Morocco), holotype in Suárez's coll., Almeria. – Distribution: North Africa: Morocco.

partita (Klug, 1835) (*Mutilla*): Reise d. Tirol 2: 91, ♀, type locality: "Andalou-sie, Puertoreal" (Spain), syntypes in Zool. Mus. Berlin. – Distribution: Europe: E, P, F (south), I, M, GR, YU; North Africa: Tunisia, Algeria, Morocco.

unimaculata (Lucas, 1849) (*Mutilla*): Explor. sci. de l'Alg. 3: 294, tab. 16, fig. 3, ♀, type locality: Algeria, syntypes in Mus. Nat. d'Hist. Natur. Paris. Synonymized by Sichel and Radoszkowski, 1870: 235.

hispanica (Sichel et Radoszkowski, 1870) (*Mutilla*): Horae Soc. Ent. Ross. 6(3/4): 295, tab. 11, fig. 4, ♂, type locality: Spain, syntypes in Krakow Inst. Syst. Exper. Zool. Synonymized by André, 1898: 11.

partita fasciaticollis (Spinola, 1843) (*Mutilla*): Annls Soc. entom. Fr. 2(1): 131, ♂, type locality: Andalusia (Spain), syntypes in Mus. Zool. Univ. Torino. – Distribution: Europe: E, I (Sicily), M.

cinereifrons (Costa, 1864) (*Mutilla*): Ann. Mus. zool. Univ. Napoli 2: 131, ♀, type locality: Sicily (Italy), syntypes in Mus. Zool. Univ. Napoli. Synonymized by André, 1903: 451.

intermedia (De Stefani, 1887) (*Mutilla*, nom. praeocc., non Saussure, 1867): Natural. Sicil. 7: 24, ♂, type locality: Sicily (Italy), syntypes unknown. Synonymized by Invrea, 1957: 193.

intermedia (Costa, 1888) (*Mutilla*, nom. praeocc., non Saussure, 1867): Rc. Accad. Sci. fis. mat., Napoli 2(2): 104, ♂, type locality: Sardinia (Italy), syntypes in Mus. Zool. Univ. Napoli. Synonymized by André, 1903: 452.

destefanii (Dalla Torre, 1897) (*Mutilla*): Cat. Hymen. 8: 31. New name for *Mutilla intermedia* De Stefani, 1887. Synonymized by Invrea, 1964: 231.

costae (Dalla Torre, 1897) (*Mutilla*): Cat. Hymen. 8: 28. New name for *Mutilla intermedia* Costa, 1888. Synonymized by André, 1903: 452.

partita obscurithorax (André, 1902) (*Mutilla*, as variety of *partita*):

Spec. Hymen. d'Eur. et d'Alg. 8: 307, 360, ♀, ♂, type locality: Algeria, Syria, Morocco, syntypes in Mus. d'Hist. Natur. Paris. – Distribution: Europe: E; Asia: Syria; North Africa: Algeria, Tunisia, Morocco.

propodealis Suárez, 1959 (*Smicromyrme*, as forma of *partita*): Eos 35(3):

292, ♂, type locality: "Cercedilla" (Spain), holotype in Suárez's coll., Almeria. – Distribution: Europe: E, P.

plantouriana Schwartz, 1986 (*Smicromyrme*): Nouv. Revue Ent. (N.S.) 3(1): 122, ♀, type locality: "Plan de la Tour" (South France), holotype in Schwartz's coll. – Distribution: Europe: F (south).

pluripicta Invrea, 1965 (*Smicromyrme*): Mem. Soc. entom. Ital. 44: 85, ♂, type locality: "Nebi Musa, Kallia" (Palestine), holotype in Bytinski Salz's coll. (Univ. Tel Aviv). – Distribution: Asia: Palestine.

pouzdranensis Hoffer, 1936 (*Smicromyrme*): Casopis Cs. Spol. Ent. 33: 157, ♀, type locality: "steppe bei Pouzdrany" (Czechia), syntypes probably in Praha Narodni Muz. – Distribution: Europe: CZ.

priesneri Invrea, 1960 (*Smicromyrme*): Mem. Soc. entom. Ital. 38: 209, ♀, type locality: "Wadi Hoff" (Egypt), holotype in Genova Mus. Civ. Stor. Natur. – Distribution: North Africa: Egypt.

pyramidarum (André, 1910) (*Mutilla*, as variety of *rufipes*): Mem. Soc. ent. d'Egypt 1(2): 67, ♂, type locality: Egypt, syntypes in Mus. d'Hist. Natur. Paris. – Distribution: Asia: Palestine; North Africa: Egypt.

rectagonum Invrea, 1953 (*Smicromyrme*): Bull. Soc. Sci. Natur. Maroc. 32: 279, ♀, type locality: "Timhadit" (Morocco), holotype in Genova Mus. Civ. Stor. Natur. – Distribution: North Africa: Morocco.

dunalis Invrea, 1953 (*Smicromyrme*, as variety of *rectagonum*): Bull. Soc. Sci. Natur. Maroc. 32: 280, ♀, type locality: "Adagir" (Morocco), holotype in Genova Mus. Civ. Stor. Natur. – Distribution: North Africa: Morocco.

rubidula Invrea, 1953 (*Smicromyrme*): Bull. Soc. Sci. Natur. Maroc. 32: 282, ♂, type locality: "Tiznit" (Morocco), syntypes in Genova Mus. Civ. Stor. Natur. – Distribution: North Africa: Morocco.

rufithorax Giner, 1959 (*Smicromyrme*, as variety of *balianii*): Eos 35(4): 396, ♂, type locality: "Ifrane" (Morocco), holotype in Madrid Inst. Español Ent. – Distribution: North Africa: Morocco.

[*rufula*] (André, 1901) (*Mutilla*, as variety of *rufipes*): Spec. Hymen. d'Eur. et d'Alg. 8: 277, ♀, type locality: "Arabia", holotype in Wien]. [Not Palaearctic].

schemearia Invrea, 1953 (*Smicromyrme*): Boll. Soc. entom. Ital. 83: 15, ♂, type locality: "Palestine, Ben Schema", holotype in Genova Mus. Civ. Stor. Natur. – Distribution: Asia: Palestine.

signata (Klug, 1829) (*Mutilla*): Symb. phys. Dec. 1: tab. 4, fig. 7, ♀, type locality: "Abyssinien, Fajum" (Ethiopia, Egypt), syntypes in Zool. Mus. Berlin. – Distribution: Africa: Egypt, Eritrea, Ethiopia, Sudan, Chad.

subtilis Invrea, 1953 (*Smicromyrme*): Bull. Soc. Sci. Natur. Maroc. 32: 280, ♀, type locality: "Tiznit" (Morocco), holotype in Genova Mus. Civ. Stor. Natur. – Distribution: North Africa: Morocco.

sulcisia Invrea, 1955 (*Smicromyrme*): Atti Soc. Ital. Sci. Natur. 94(3-4): 246, ♂, type locality: Sardinia (Italy), holotype in Genova Mus. Civ. Stor. Natur. – Distribution: Europe: I (Sardinia).

terricola Nagy, 1972 (*Smicromyrme*): Biol. Gallo-Hellenica 4(1): 29, fig. 3, ♀, type locality: "Nea Peramos" (Greece), holotype in Nagy's coll. – Distribution: Europe: GR.

tetragona Invrea, 1960 (*Smicromyrme*): Mem. Soc. entom. Ital. 38: 212, ♀, type locality: "Wadi Digla" (Egypt), holotype in Genova Mus. Civ. Stor. Natur. – Distribution: North Africa: Egypt.

trinotata (Costa, 1858) (*Mutilla*): Fauna regno Napoli: 22, tab. 22, fig. 5, ♀, type locality: "Adiacenze di Napoli" (Italy), syntypes in Mus. Zool. Univ. Napoli. – Distribution: Europe: I; North Africa: ?Morocco.

tumidula Nagy, 1972 (*Smicromyrme*): Biol. Gallo-Hellenica 4(1): 27, fig. 1, ♀, type locality: "Parnals" (Greece), holotype in Nagy's coll. – Distribution: Europe: GR.

turanica (Morawitz, 1893) (*Mutilla*): Horae Soc. Ent. Ross. 27(3/4): 392, ♀ non ♂, type locality: "Nuratau" (Uzbekistan), lectotype ♀ in St. Petersburg Zool. Inst. (designated by Lelej and Kabakov, 1980: 194). – Distribution: Europe: GR (Crete); Asia: Syria, TR, ARM, AZ, UZ, TJ, Afghanistan.

arameana (André, 1902) (*Mutilla*): Spec. Hymen. d'Eur. et d'Alg. 8: 336, ♂, type locality: "Syria", holotype in Mus. d'Hist. Natur. Paris. Synonymized by Lelej and Kabakov, 1980: 194.

atrihorax (André, 1902) (*Mutilla*, as variety of *arameana*): Spec. Hymen. d'Eur. et d'Alg. 8: 336, ♂, type locality: "Helenendorf (=Hanlar)" (Azerbaijan), holotype in Naturhist. Mus. Wien. Synonymized by Lelej, 1985: 245.

zavattarii Invrea, 1932 (*Smicromyrme*): Boll. Soc. entom. Ital. 64: 97, ♀, type locality: "Auenat" (Libya), holotype in Genova Mus. Civ. Stor. Natur. – Distribution: North Africa: Libya.

Tribe Petersenidiini Lelej, 1996

Petersenidiina (as subtribe) Lelej, 1996: Far East. entomol. 30: 6.

38. Genus Artiotilla Invrea, 1950

Artiotilla Invrea, 1950: Mem. Soc. entom. Ital. 29: 22. Type species: *Mutilla biguttata* Costa, 1858 (original designation).

Glossomyrme Suárez, 1979: Nouv. Rev. Entom. 9(1): 72. Type species: *Glossomyrme afghanica* Suárez, 1979 (original designation). Synonymized by Lelej and Kabakov, 1980: 191.

afghanica (Suárez, 1979) (*Glossomyrme*): Nouv. Rev. Entom. 9(1): 74, ♂, type locality: "Darunta" (Afghanistan), holotype in Mus. Brno. – Distribution: Asia: Afghanistan.

ariana Lelej, 1980 (*Artiotilla*): Entom. Obozr. 59(1): 191, ♀, type locality: Farah province (Afghanistan), holotype in St. Petersburg Zool. Inst. – Distribution: Asia: Afghanistan.

biguttata (Costa, 1858) (*Mutilla*): Fauna regno Napoli: 23, tab. 23, fig. 3, ♀, type locality: "Calabria, Sicilia" (Italy), syntypes in Mus. Zool. Univ. Napoli. – Distribution: Europe: I, Croatia, YU, Macedonia, AL; Asia: AZ, TU, Iran, TR, CY, Palestine.

dalmatica (André, 1893) (*Mutilla*): Mem. Soc. Zool. France 6 : 292, ♀, type locality: Dalmatia (Croatia), syntypes in Mus. Nat. d'Hist. Natur. Paris. Synonymized by Zavattari, 1910: 7.

mervensis (Radoszkowski, 1893) (*Mutilla*): Horae Soc. Ent. Ross. 27(1/2): 73, ♂, type locality: "Merv" (=Mary) (Turkmenistan), holotype in Krakow Inst. Syst. Exper. Zool. Synonymized by Lelej, 1985: 178.

fertoni (Invrea, 1953) (*Smicromyrme*): Boll. Soc. ent. Ital. 83: 11, ♂, type locality: "Roma" (Italy), holotype in Genova Mus. Civ. Stor. Natur. Synonymized by Lelej and Kabakov, 1980: 191.

palestinensis Invrea, 1965 (*Artiotilla*, as forma of *biguttata*): Mem. Soc. entom. Ital. 44: 83, ♀, type locality: "Gerusalemme" (Palestine), holotype in Bytinski Salz's coll. (Univ. Tel Aviv). Invalid according to article 15.2 of ICZN.

39. Genus Orientidia Lelej, 1996

Orientidia Lelej, 1996: Far East. entomol. 30: 10. Type species: *Mutilla proserpina* Smith, 1858 (original designation). [Not Palaearctic].

obscurilamina (Chen, 1957) (*Smicromyrme*): Quart. J. Taiwan Mus. 10(3-4): 195, ♀, type locality: Jiangsu (China), holotype in Heude Mus. Shanghai. – Distribution: Asia: China (Shanghai, Jiangsu, Fujian).

40. Genus *Taiwanomyrme* Tsuneki, 1993

Taiwanomyrme (as subgenus of *Smicromyrme* Thomson, 1870) Tsuneki, 1993: SPJHA 41: 44. Type species: *Smicromyrme taiwana* Tsuneki, 1993 (original designation). [Not Palaearctic].

friekae (Zavattari, 1913) (*Mutilla*): Arch. Natugesch. 79A(3): 35, ♂, type locality: Taiwan (China), lectotype in Berlin Zool. Mus. (designated by Mickel, 1933: 410). – Distribution: Asia: China: CE (Jiangsu, Anhui, Zhejiang), SE (Fujian, Taiwan).

Tribe *Trogaspidiini* Bischoff, 1920

Trogaspidiini Bischoff, 1920: Arch. Naturgesch. 86A(1-3): 23.

Timullini Krombein, 1972: Ann. mus. r. Afr. cent. 199: 1. Synonymized by Lelej, 1985: 175.

41. Genus *Eotrogaspidia* Lelej, 1996

Eotrogaspidia Lelej, 1996: Far East. entomol. 30: 21. Type species: *Mutilla auroguttata* Smith, 1855 (original designation).

auroguttata (Smith, 1855) (*Mutilla*): Cat. Hymen. 3: 52, ♀, type locality: "Brasil", actually Hong Kong (China), holotype in London Brit. Mus. Nat. Hist. – Distribution: Asia: China: SW (Sichuan), CE (Jiangsu, Zhejiang, Hunan), SE (Fujian, Guangdong, Hainan, Taiwan, Hong Kong), Thailand (north).

42. Genus *Glossotilla* Bischoff, 1920

Glossotilla Bischoff, 1920: Arch. Naturgesch. 86A(1-3): 454. Type species: *Mutilla suavis* Gerstaecker, 1873 (original designation). [Not Palaearctic].

tricoloriformis Bischoff, 1920: (*Glossotilla*): Arch. Naturgesch. 86A(1-3): 469, ♀, type locality: "Senegal", holotype in Wien Naturhist. Mus. – Distribution: Africa: Egypt, Senegal.

43. Genus *Lobotilla* Bischoff, 1920

Lobotilla Bischoff, 1920: Arch. Naturgesch. 86A(1-3): 27 (key), 334 (description). Type species: *Mutilla leucopyga* Klug, 1829 (original designation).

leucopyga (Klug, 1829) (*Mutilla*): Symb. phys. Dec. 1: tab. 4, fig. 10, ♀, type locality: "Aegypto" (Egypt), lectotype in Berlin Zool. Mus. (designated by Nonveiller, 1999: 269). – Distribution: Africa: Egypt, Eritrea, from Sudan to Senegal.

nitidiventris (Klug, 1829) (*Mutilla*): Symb. phys. Dec. 1: tab. 4, fig. 14, ♂, type locality: "Egypt", lectotype in Berlin Zool. Mus. (designated by Nonveiller, 1999: 269). Synonymized by Bischoff, 1921: 336.

opaca (Lepeletier, 1845) (*Mutilla*): Hist. nat. ins. Hymen. 3: 625, ♂, type locality: "Midi de l'Europe" syntypes in Torino Mus. Reg. Sci. Natur. Synonymized by Invrea, 1964: 147.

44. Genus *Neotrogaspidia* Lelej, 1996

Neotrogaspidia Lelej, 1996: Far East. entomol. 30: 20. Type species: *Mutilla pustulata* Smith, 1873 (original designation).

hammeri (Suárez, 1959) (*Trogaspidia*): Eos 35(3): 289, ♂, type locality: "Chipre, Cherkes" (Cyprus), holotype in Suárez's coll. Almeria. – Distribution: Asia: ARM, AZ, TU (south-west), CY, Palestine.

pustulata (Smith, 1873) (*Mutilla*): Trans. entom. Soc. London: 182, ♂, type locality: Hiogo (Japan, Honshu), holotype lost. – Distribution: Asia: Japan (Honshu, Kyushu, Tsushima, Yaku-shima, Tanegashima, Amami-oshima, Bonin Is.), Korea, China (Sichuan, Jiangsu, Anhui, Zhejiang, Jiangxi, Hunan, Fujian, Guangdong, Taiwan).

insidiator (Smith, 1873) (*Mutilla*): Trans. entom. Soc. London: 182, ♀, type locality: Hiogo (Japan, Honshu), holotype in London Brit. Mus. Nat. Hist. Synonymized by Chen, 1957: 164.

insidiator (Smith, 1874) (*Mutilla*): Trans. entom. Soc. London: 408, ♀, type locality: Hiogo (Japan, Honshu), holotype in London Brit. Mus. Nat. Hist. Synonymized by Mickel, 1935: 255.

petulans (Smith, 1874) (*Mutilla*): Trans. entom. Soc. London: 408, ♂, type locality: Hiogo (Japan, Honshu), holotype in London Brit. Mus. Nat. Hist. Synonymized by Mickel, 1935: 248.

japonica (Dalla Torre, 1897) (*Mutilla*): Cat. Hymen. 8: 48. New name for *Mutilla insidiator* Smith, 1874. Synonymized by Mickel, 1935: 255.

elpinice (Mickel, 1933) (*Timulla*): Ann. Entom. Soc. Amer. 26: 395, ♂, type locality: Taiwan, holotype in Berlin Zool. Mus. Synonymized by Chen, 1957: 165.

aestivalis (Hammer, 1949) (*Trogaspidia*): Ark. Zool. 42A(8): 8, ♂, type locality: Jiangsu (China), holotype in Naturhist. Mus. Stockholm. Synonymized by Chen, 1957: 165.

45. Genus *Radoszkowskius* Ashmead, 1903

Radoszkowskius Ashmead, 1903: Can. Entom. 35: 328. Type species: *Mutilla simplicifascia* Sichel et Radoszkowski, 1870, ♀ non ♂ (original designation). [Not Palaearctic].

conversus (Chen, 1957) (*Trogaspidia*): Quart. J. Taiwan Mus. 10(3-4): 165, ♂, type locality: Shanghai (China), holotype in Heude Mus. Shanghai. – Distribution: Asia: China (Shanghai, Anhui, Fujian, Taiwan).

oculata (Fabricius, 1804) (*Mutilla*): Systema piezatorum: 432, ♀, type locality: "China", holotype in Copenhagen Univ. Zool. Mus. – Distribution: Asia: China (Beijing, Jiangsu, Zhejiang, Hunan, Fujian, Taiwan, Guangdong, Yunnan, Hainan, Hong Kong), Vietnam, Laos, Thailand, Myanmar, Cambodia, Malaysia (Malay Peninsula).

46. Genus *Trogaspidia* Ashmead, 1899

Trogaspidia Ashmead, 1899: J. N. Y. Entom. Soc. 7: 58. Type species: *Mutilla medon* Smith, 1855 (original designation). [Not Palaearctic].

arciformis Chen, 1957 (*Trogaspidia*): Quart. J. Taiwan Mus. 10(3-4): 173, ♀, type locality: Anhui (China), holotype in Heude Mus. Shanghai. – Distribution: Asia: China (Anhui, Fujian).

[castellana] (Mercet, 1903) (*Mutilla*): Boln. R. Soc. esp. Hist. Nat. 3: 173, ♀, type locality: "Madrid", actually Luzon, Philippines]. [Not Palaearctic].

catanensis (Rossi, 1794) (*Mutilla*): Mantissa Insectorum 2: 126, tab. 3, fig. B, ♀, type locality: "Catania" (Italy), syntypes unknown. – Distribution: Europe: U (Crimea), H, R, Croatia, YU, Macedonia, I; Russia: SET; Asia: ARM, KZ (west); North Africa: Algeria.

ballioni (Radoszkowski, 1866) (*Mutilla*): Bull. Soc. Imper. Natur. Moscou 39: 300, tab. 9, fig. 1, ♂, type locality: Crimea (Ukraine), syntypes in Krakow Inst. Syst. Exper. Zool. Synonymized by Lelej, 1985: 176.

paripunctata (Sichel et Radoszkowski, 1870) (*Mutilla*): Horae Soc. Ent. Ross. 6(3/4): 222, ♀, type locality: "Crimee, Sarepta" (Ukraine, Russia), syntypes in Krakow Inst. Syst. Exper. Zool. Synonymized by André, 1899: 12.

ehrenbergi Bischoff, 1920 (*Trogaspidia*): Arch. Naturgesch. 86A(1-3): 388, ♀, type locality: "Egypt", holotype in Zool. Mus. Berlin. – Distribution: North Africa: Egypt.

fedtschenkoi (Radoszkowski, 1877) (*Mutilla*): Voyage au Turkestan d'Alexis Fedtschenko, 2(5): 39, tab. 3, fig. 8, ♂, type locality: Syr-Darja (Kazakhstan), lectotype in Zool. Mus. Moscow Univ. (designated by Lelej, 1985: 177). – Distribution: Asia: AZ, KZ (south), KY, UZ, TU, TJ.

transcaspica (Radoszkowski, 1888) (*Mutilla*): Horae Soc. Ent. Ross. 22(3/4): 346, ♂, type locality: Ashkhabad (Turkmenistan), syntypes in Krakow Inst. Syst. Exper. Zool. Synonymized by André, 1899: 12.

binio (Radoszkowski, 1888) (*Mutilla*): Horae Soc. Ent. Ross. 22(3/4): 346, ♀, type locality: Ashkhabad (Turkmenistan), syntypes in Krakow Inst. Syst. Exper. Zool. Synonymized by André, 1899: 13.

bisignata (Morawitz, 1890) (*Mutilla*, nom. praeocc. non Blake, 1871): Horae Soc. Ent. Ross. 24(3/4): 634, ♀, type locality: Tshikishlyar (south-western Turkmenistan), lectotype in St. Petersburg Zool. Inst. (designated by Lelej, 1985: 177). Synonymized by Skorikov, 1935: 311.

rittneri (Dalla Torre, 1897) (*Mutilla*): Cat. Hymen. 8: 78. New name for *Mutilla bisignata* Morawitz, 1890. Synonymized by Skorikov, 1935: 311.

immaculata (Skorikov, 1935) (*Smicromyrme*): Tr. Tadzh. basy AN SSSR 5: 320, ♀, type locality: Tshikishlyar (south-western Turkmenistan), holotype in St. Petersburg Zool. Inst. Synonymized by Lelej, 1985: 177.

floralis (Klug, 1829) (*Mutilla*): Symb. phys. Dec. 1: tab. 5, fig. 12, ♂, type locality: "Fajum" (Egypt), syntypes in Zool. Mus. Berlin. – Distribution: Asia: Arabia, Yemen; Africa: Algeria, Libya, Egypt, Sudan, Senegal, Mali, Nigeria, Cameroon, Chad, Eritrea, Ethiopia, Somali.

interrupta (Olivier, 1811) (*Mutilla*, nom. praeocc., non Latreille, 1792): Encyclopedie methodique 8: 62, ♀, type locality: "se trouve en Arabie", syntypes in Mus. Nat. d'Hist. Natur. Paris.

divisa (Smith, 1855) (*Mutilla*): Cat. Hymen. 3: 11. New name for *Mutilla interrupta* Olivier, 1811. Synonymized by Nonveiller and Petersen, 1995: 184.

aureiventris (Walker, 1871) (*Mutilla*): List of Hymenoptera: 11, ♂, type locality: "Egypt", syntypes unknown. Synonymized by André, 1910: 51.

klugiana (André, 1902) (*Mutilla*, as variety of *cataensis*): Spec. Hymen. d'Eur. et d'Alg. 8: 311, ♂, type locality: "Egypt", syntypes in Mus. d'Hist. Natur. Paris. – Distribution: Asia: Yemen; Africa: Egypt, Eritrea, Ethiopia.

moslemita Bischoff, 1920 (*Trogaspidia*, as forma of *divisa*): Arch. Naturgesch. 86A(1-3): 449, ♂, type locality: "Arabia", holotype in Wien Naturhist. Mus. – Distribution: Asia: Arabia, Yemen; Africa: Egypt, Sudan.

fuscipennis (Fabricius, 1804) (*Mutilla*): Systema piezatorum: 436, ♂, type locality: "China", lectotype in Copenhagen Univ. Zool. Mus. (designated by Mickel, 1933: 306). – Distribution: Asia: China: NO (Hebei), CE (Jiangsu, Anhui, Zhejiang), SE (Fujian, Guangdong).

hoffmanni (Mickel, 1933) (*Timulla*): Lingnan Sci. J. 12: 312, ♂, type locality: Hainan (China), holotype in Univ. Minnesota St. Paul. – Distribution: Asia: China: CE (Jiangsu), SE (Fujian, Hainan).

israeliana Invrea, 1965 (*Trogaspidia*): Mem. Soc. entom. Ital. 44: 82, ♀, type locality: "Wadi Aruz" (Jordan), holotype in Bytinski Salz's coll. (Univ. Tel Aviv). – Distribution: Asia: Jordan.

kolthoffi Hammer, 1949 (*Trogaspidia*): Ark. Zool. 42A(8): 6, ♀, type locality: Jiangsu (China), holotype in Naturhist. Mus. Stockholm. – Distribution: Asia: China: CE (Jiangsu).

lingnani (Mickel, 1933) (*Timulla*): Lingnan Sci. J. 12: 310, ♂, type locality: Hainan (China), holotype in Univ. Minnesota St. Paul. – Distribution: Asia: China (Jiangsu, Anhui, Zhejiang, Fujian, Hainan).

maritima Chen, 1957 (*Trogaspidia*): Quart. J. Taiwan Mus. 10(3-4): 177, ♀, type locality: Zhejiang (China), holotype in Heude Mus. Shanghai. – Distribution: Asia: China: CE (Jiangsu, Anhui, Zhejiang).

mesopotamica (Bischoff, 1914) (*Mutilla*): Entom. Rdsch. 31: 13, ♀, type locality: "Mesopotamien, Tell Halaf, felsige Steppen am Kebbes" (Iraq), holotype in Zool. Mus. Berlin. – Distribution: Asia: Iraq.

niveomaculata (André, 1898) (*Mutilla*): Ann. Soc. Ent. France 67: 15, ♀, type locality: "Gibuti" (Djibouti), syntypes in Mus. d'Hist. Natur. Paris. – Distribution: Asia: Palestine; Africa: Djibouti, Sudan.

nodoa (Mickel, 1933) (*Timulla*): Lingnan Sci. J. 12: 288, ♀, ♂, type locality: Hainan (China), holotype ♀ in Univ. Minnesota St. Paul. – Distribution: Asia: China: NO (Anhui), SE (Fujian, Guangdong, Hainan).

pavesii (Magretti, 1884) (*Mutilla*): Ann. Mus. Civ. Stor. Nat. Genova 21: 554, ♂, type locality: "Kor Saua", East Africa, holotype in Genova Mus. Civ. Stor. Natur. – Distribution: Africa: Egypt, Ethiopia.

priesneri Invrea, 1963 (*Trogaspidia*): Mem. Soc. entom. Ital. 42: 18, ♂, type locality: "Gebel Elba" (Egypt), holotype in Genova Mus. Civ. Stor. Natur. – Distribution: North Africa: Egypt.

retinula Chen, 1957 (*Trogaspidia*): Quart. J. Taiwan Mus. 10(3-4): 174, ♀, type locality: Taiwan (China), holotype in Taipei Agric. Res. Inst. – Distribution: Asia: China: CE (Jiangsu), SE (Fujian, Taiwan).

rhea (Mickel, 1933) (*Timulla*): Ann. Entom. Soc. Amer. 26: 406, ♂, type locality: Taiwan (China), holotype in Berlin Zool. Mus. – Distribution: Asia: China: CE (Anhui, Jiangsu, Zhejiang), SE (Fujian, Guangdong, Hainan).

rhea rhea (Mickel, 1933). – Distribution: Asia: China (Jiangsu, Fujian, Hainan).

rhea gaea Chen, 1957 (*Trogaspidia*): Quart. J. Taiwan Mus. 10(3-4): 168, ♀, ♂, type locality: Fujian (China), holotype in Maa's coll. – Distribution: Asia: China (Anhui, Zhejiang, Fujian, Guangdong).

rubripes (André, 1901) (*Mutilla*, as variety of *catanensis*): Spec. Hymen. d'Eur. et d'Alg. 8: 287, ♀, type locality: Syria, Palestine, syntypes in Mus. d'Hist. Natur. Paris. – Distribution: Asia: Syria, Palestine.

tricolor (Klug, 1829) (*Mutilla*): Symb. phys. Dec. 1: tab. 4, fig. 15, ♀, type locality: "Arabische Wust" (Egypt), syntypes in Zool. Mus. Berlin. – Distribution: Africa: Egypt, Eritrea, Ethiopia.

unguiculata (Magretti, 1884) (*Mutilla*): Ann. Mus. Civ. Stor. Nat. Genova 21: 549, ♀, type locality: "Suakin", East Africa, holotype in Genova Mus. Civ. Stor. Natur. – Distribution: Asia: ? Palestine; Africa: Eastern Africa.

VII. Subfamily SPHAEROPHTHALMINAE Schuster, 1949(1903)

Sphaeropthalminae Schuster, 1949: Entom. Amer. (n.s.) 29: 82.

Sphaeropthalmini (as tribe) Ashmead, 1903: Can. Entom. 35: 304. Synonymized by Brothers, 1975: 623.

Cystomutillinae Invrea, 1964: Mutillidae-Myrmosidae: 94. Synonymized by Lelej, 1985: 112.

Tribe Sphaeropthalmini Schuster, 1949(1903)

47. Genus *Cystomutilla* André, 1896

Cystomutilla (as subgenus of *Mutilla* Linnaeus, 1758) André, 1896: Mem. Soc. Zool. France 9: 263. Type species: *Mutilla ruficeps* Smith, 1855 (original designation).

ruficeps (Smith, 1855) (*Mutilla*): Cat. Hymen. 3: 15. New name for *Mutilla erythrocephala* Lucas, 1849. – Distribution: Europe: GB, F, CH, A, I, SL, H, R, Croatia, AL, E, U; Russia: SET; North Africa: Algeria.

erythrocephala (Lucas, 1849) (*Mutilla*, nom. praeocc. non Latreille, 1792): Explor. sci. de l'Alg. 3: 298, ♀, type locality: "Philippeville" (Algeria), syntypes probably in Mus. Nat. d'Hist. Natur. Paris.

parvula (Kriechbaumer, 1896) (*Mutilla*): Ent. Nachrichten 22(3): 47. New name for *Mutilla erythrocephala* Lucas, 1849. Synonymized by André, 1903: 460.

teranishii Mickel, 1935 (*Cystomutilla*): Trans. R. Entom. Soc. London 83: 196, ♀, type locality: "Japan, Jozankei, Hokkaido", holotype in Univ. Minnesota St. Paul. – Distribution: Asia: Korea, Japan (Hokkaido, Honshu).

[Genus *Dasymutilla* Ashmead, 1899]

Dasymutilla Ashmead, 1899: J. N. Y. Entom. Soc. 7: 57. Type species: *Mutilla (Sphaeropthalma) gorgon* Blake, 1871 (original designation). [Not Palearctic].

[***nigripes*** Fabricius, 1787 (*Mutilla*): Mantissa insectorum 1: 313, ♀, type locality: "Habitat in Oriente", actually North America (Mickel, 1936: 43). – Distribution: North America (from Massachusetts to Florida in the east and from Alberta to Arizona in the west).]

VIII. Subfamily DASYLABRINAE Skorikov, 1935

Dasylabrinae Skorikov, 1935: Tr. Tadzh. bazy AN SSSR 5: 293.

48. Genus **Dasylabris** Radoszkowski, 1885

Dasylabris Radoszkowski, 1885: Horae Soc. Ent. Ross. 19(1/2): 28. Type species: *Mutilla arenaria* Fabricius, 1787 (= *Mutilla atrata* Linnaeus, 1767) (designated by Ashmead, 1904: 7).
Allomutilla Ashmead, 1899: J. N. Y. Entom. Soc. 7: 57. Type species: *Mutilla melicerta* Smith, 1855 (original designation). [Not Palaearctic]. Synonymized by André, 1903: 65.

Subgenus **Baltilla** Lelej, 1976

Baltilla (as subgenus of *Dasylabris* Radoszkowski, 1885) Lelej, 1976: Entom. Obozr. 55(1): 200. Type species: *Mutilla bicolor* Pallas, 1771 (original designation).

adagirica Invrea, 1953 (*Dasylabris*): Bull. Soc. Sci. natur. Maroc 32: 296, ♂, type locality: "Adagir" (Morocco), syntypes in Genova Mus. Civ. Stor. Natur. – Distribution: North Africa: Morocco.

adversa Skorikov, 1935 (*Dasylabris*, as variety of *italica*): Tr. Tadzh. bazy AN SSSR 5: 297, ♀. type locality: environs of Kharkov (Ukraine), lectotype in St. Petersburg Zool. Inst. (designated by Lelej, 1976: 270). – Distribution: Europe: U; Russia: SET, ES (Transbaikalia); Asia: Mongolia.

kaszabi Suárez, 1974 (*Dasylabris*): Arch. Inst. Aclimat. 19: 8, fig. 4, ♂, type locality: "Central aimak: Kerulen, Njalga, s. Burgastin, Chosu, 1200 m" (Mongolia), holotype in Budapest Term. tud. Muz. Synonymized by Lelej, 1976: 270.

arabica (Olivier, 1811) (*Mutilla*): Encyclopedie methodique 8: 59, ♂, type locality: "en Arabie" (Middle East), holotype in Mus. Nat. d'Hist. Natur. Paris. – Distribution: Asia: Arabia, Palestine, Iraq; North Africa: Morocco, Algeria, Egypt.

ornata (Klug, 1829) (*Mutilla*): Symb. phys. Dec. 1: tab. 5, fig. 8, ♀, type locality: Egypt, syntypes in Zool. Mus. Berlin. Synonymized by André, 1903: 465.

detrita (André, 1903) (*Mutilla*, as variety of *arabica*): Spec. Hymen. d'Eur. et d'Alg. 8: 415, ♂, type locality: "Oran" (Algeria), syntypes in Mus. Nat. d'Hist. Natur. Paris. – Distribution: North Africa: Algeria, Morocco.

sefrana (André, 1903) (*Mutilla*, as variety of *arabica*): Spec. Hymen. d'Eur. et d'Alg. 8: 415, ♂, type locality: "Ain-Sefra" (Algeria), syntypes in Mus. Nat. d'Hist. Natur. Paris. – Distribution: North Africa: Algeria.

univittata (André, 1903) (*Mutilla*, as variety of *arabica*): Spec. Hymen. d'Eur. et d'Alg. 8: 415, ♂, type locality: Algeria, syntypes in Mus. Nat. d'Hist. Natur. Paris. – Distribution: North Africa: Algeria.

bicolor (Pallas, 1771) (*Mutilla*): Reisen ... Russischen Reiches 1: 401, ♀, type locality: river Yaik (=Ural) (Kazakhstan), syntypes in Zool. Mus. Berlin. – Distribution: Russia: SET (Daghestan, Astrachanskaya oblast); Asia: KZ, KY, UZ, China: NW (Xinjiang), Mongolia (west).

albeola (Pallas, 1773) (*Mutilla*): Reisen ... Russischen Reiches 2: 730, ♂, ♀, type locality: Lecta ad australibus ad Jaicum" (=Ural) (Kazakhstan), syntypes in Zool. Mus. Berlin. Synonymized by Morawitz, 1865: 136.

caspica (Kolenati, 1846) (*Mutilla*): Meletemata entomologica 5: 124, ♀, type locality: "In provinciarum Caspigarum" (Russia: ?Daghestan), syntypes not found. Synonymized by Morawitz, 1865: 136.

funeraria (Erichson, 1849) (*Mutilla*): Mem. Acad. Imp. Sci. St. Petersbourg, ser. 8, 6: 307, ♀, type locality: "Novo-Aleksandrovsk" (?Kazakhstan), syntypes not found. Synonymized by Morawitz, 1865: 136.

bergi Skorikov, 1935 (*Dasylabris*): Tr. Tadzh. basy AN SSSR 5: 294, ♀, type locality: "Dzhina" (north-west China, river Jingho, south of lake Ebi-Nur), holotype in St. Petersburg Zool. Inst. Synonymized by Lelej, 1977: 529.

crassa (Klug, 1829) (*Mutilla*): Symb. phys. Dec. 1: tab. 5, fig. 9, ♀, type locality: "ex Aegypto" (Egypt), holotype in Zool. Mus. Berlin. – Distribution: Africa: Egypt, Chad.

gobicola Skorikov, 1935 (*Dasylabris*): Tr. Tadzh. basy AN SSSR 5: 294, ♀, type locality: Gobi Altai, western foothills of Iche-Bogdo, Bayan-Chongor aimak (Mongolia), lectotype in St. Petersburg Zool. Inst. (designated by Lelej, 1975: 322). – Distribution: Russia: WS (Altai, Tuva); Asia: KZ (east), Mongolia, China: NW (Xinjiang, Neimenggu).

funerula Suárez, 1974 (*Dasylabris*, as subspecies of *kaszabi*): Arch. Inst. Acclimat. 19: 11, ♂, type locality: "Bajan-Olgij aimak, 20 km NNW von der Stadt Olgij, 2100 m" (Mongolia), holotype in Budapest Term. tud. Muz. Synonymized by Lelej, 1977: 528.

hazara Lelej, 1980 (*Dasylabris*): Entom. Obozr. 59(1): 190, ♀, type locality: Central Afghanistan, pass Kumak, Khozaredzhat, holotype in St. Petersburg Zool. Inst. – Distribution: Asia: Afghanistan.

kiritshenkoi Skorikov, 1935 (*Dasylabris*): Tr. Tadzh. basy AN SSSR 5: 294, ♀, type locality: North Iran, Shahrud, lectotype in St. Petersburg Zool. Inst. (designated by Lelej, 1985: 146). – Distribution: Asia: Iran.

koenigi Radoszkowski, 1888 (*Dasylabris*): Horae Soc. Ent. Ross. 22(3/4): 348, ♂, type locality: "Kiltytschynar" (North Iran), syntypes in Krakow Inst. Syst. Exper. Zool. – Distribution: Asia: KZ (south), UZ, TJ, TU, Iran (north).

caecia Skorikov, 1935 (*Dasylabris*): Tr. Tadzh. basy AN SSSR 5: 293, ♀, type locality: Termez (Uzbekistan), lectotype in St. Petersburg Zool. Inst. (designated by Lelej, 1976: 201). Synonymized by Lelej, 1985: 145.

argyroloma Skorikov, 1935 (*Dasylabris*): Tr. Tadzh. basy AN SSSR 5: 294, ♀, type locality: Farab (Turkmenistan), lectotype in St. Petersburg Zool. Inst. (designated by Lelej, 1976: 201). Synonymized by Lelej, 1985: 145.

kozlovi Skorikov, 1935 (*Dasylabris*): Tr. Tadzh. basy AN SSSR 5: 294, ♀, type locality: Central Gobi, Dzhargalante-Bulak (Mongolia), lectotype in St. Petersburg Zool. Inst. (designated by Lelej, 1976: 200). – Distribution: Asia: Mongolia, China: NW (Gansu, Neimenggu).

mesomelaena Bischoff, 1921 (*Dasylabris*, as forma of *bicolor*): Arch. Naturgesch. 86A(4, 5): 661, ♂, type locality: "Fasoglu, Aegyptien" (Egypt), holotype in Zool. Mus. Berlin. – Distribution: North Africa: Egypt.

miranda Lelej, 1976 (*Dasylabris*): Entom. Obozr. 55(1): 192, ♀, type locality: South-East Kazakhstan, environs of Balkhash city, holotype in St. Petersburg Zool. Inst. – Distribution: Asia: KZ, KY, TU, Afghanistan.

olivieri (Sichel et Radoszkowski, 1870) (*Mutilla*): Horae Soc. Ent. Ross. 6(4): 264, tab. 9, fig. 8, ♂. New name for *Mutilla atrata* sensu Olivier, 1811. Type locality: "Egypt", holotype in Mus. Nat. d'Hist. Natur. Paris. – Distribution: Asia: Palestine; North Africa: Tunisia, Algeria, Egypt.

atrata sensu Olivier, 1811 (*Mutilla*): Encyclopedie methodique 8: 59, ♂, misidentification.

pavlovskyi Skorikov, 1935 (*Dasylabris*): Tr. Tadzh. basy AN SSSR 5: 293, ♀, type locality: Baga-Abzal (Uzbekistan, 15 km N Bukhara), lectotype in St. Petersburg Zool. Inst. (designated by Lelej, 1976: 202). – Distribution: Asia: UZ, TU.

przewalskii Lelej, 1976 (*Dasylabris*): Entom. Obozr. 55(1): 190, ♂, type locality: valley of Kunges river (north-west China), holotype in St. Petersburg Zool. Inst. – Distribution: Asia: KZ (south-east), China: NW (Xinjiang).

tingitana (André, 1903) (*Mutilla*, as variety of *arabica*): Spec. Hymen. d'Eur. et d'Alg. 8: 416, ♂, type locality: "Tanger" (Morocco), syntypes in Mus. Nat. d'Hist. Natur. Paris. – Distribution: North Africa: Morocco.

Subgenus *Craspedopyda* Lelej, 1976

Craspedopyda (as subgenus of *Dasylabris* Radoszkowski, 1885) Lelej, 1976: Entom. Obozr. 55(1): 195. Type species: *Mutilla desertorum* Radoszkowski, 1865 (original designation).

Craspedopyda (as subgenus of *Dasylabris* Radoszkowski, 1885) Skorikov, 1935: Tr. Tadzh. basy AN SSSR 5:300. Non valid according to article 13.3 of ICZN.

desertorum (Radoszkowski, 1865) (*Mutilla*): Bull. Soc. Imper. Natur. Moscou 38(2): 452, ♀, type locality: "Songari" (north-west China), syntypes in Krakow Inst. Syst. Exper. Zool. – Distribution: Asia: KZ, KY, UZ, TU, TJ, Afghanistan, Mongolia, China: NW (Xinjiang).

scissa (André, 1903) (*Mutilla*): Spec. Hymen. d'Eur. et d'Alg. 8: 407, ♂, type locality: "Turkestan", syntypes in Mus. Nat. d'Hist. Natur. Paris. Synonymized by Lelej, 1976: 196.

deficiens Skorikov 1935 (*Dasylabris*, as variety of *desertorum*): Tr. Tadzh. basy AN SSSR 5:299, ♀, type locality: Sardym, Gunt river (Tajikistan), lectotype in St. Petersburg Zool. Inst. (designated by Lelej, 1980: 188). Synonymized by Lelej, 1980: 188.

manderstiernii (Radoszkowski, 1865) (*Mutilla*): Bull. Soc. Imper. Natur. Moscou 38(2): 460, ♂, type locality: "Transcaucase", holotype in Zool. Mus. Berlin. – Distribution: Europe: U (Crimea), GR; Russia: SET; Asia: GE, ARM, AZ, TU, Iran (north), TR, Lebanon, Syria, CY.

manderstiernii manderstiernii (Radoszkowski, 1865). – Distribution: Europe: U (Crimea); Russia: SET; Asia: GE, ARM, AZ, TU, Iran (north), TR, Lebanon, Syria.

manderstiernii cypria (Sichel et Radoszkowski, 1870) (*Mutilla*): Horae Soc. Ent. Ross. 6(4): 273, ♂, type locality: Cyprus, lectotype in Mus. Nat. d'Hist. Natur. Paris (designated by Petersen, 1988: 183). – Distribution: Europe: GR; Asia: CY, TR, Syria.

mauropsis Skorikov 1935 (*Dasylabris*): Tr. Tadzh. basy AN SSSR 5:299, ♀, type locality: Armenia, environs of Ereven, lectotype in St. Petersburg Zool. Inst. (designated by Lelej, 1976: 196). Synonymized by Lelej, 1976: 196.

canonota Skorikov 1935 (*Dasylabris*, as variety of *mauropsis*): Tr. Tadzh. basy AN SSSR 5:299, ♀, type locality: Derbent, lectotype "Дербент, Дагестан, Беккер, 1872" in St. Petersburg Zool. Inst. (designated here, in order to ensure the name's proper and consistent use). **New Synonymy.**

Subgenus **Dasylabris** Radoszkowski, 1885

andrei Mercet, 1903 (*Dasylabris*): Boll. R. Soc. Esp. Hist. Nat. 3: 102, ♀, type locality: "Rio del Oro" (Western Sahara), syntypes in Madrid Inst. Español Ent. and Mus. Zool. Univ. Napoli. – Distribution: North Africa: Western Sahara, Morocco.

angelae Suárez, 1959 (*Dasylabris*): Eos 35(1): 107, ♀, ♂, type locality: "Gando, Gran Canaria" (Canary Is.), holotype ♂ in Madrid Inst. Español Ent. – Distribution: North Africa: Canary Is.

atrata (Linnaeus, 1767) (*Mutilla*): Systema Nature 1: 966, ♂, type locality: "in Africa", lectotype in London Linnean Society (designated by Day, 1979: 50). – Distribution: Europe: S, P; North Africa: Morocco, Algeria, Libya.

arenaria (Fabricius, 1787) (*Mutilla*): Mantissa Insectorum 1: 312, ♀, type locality: Tunisia, lectotype in Copenhagen Univ. Zool. Mus. (designated by Petersen, 1988: 141). Synonymized by Petersen, 1988: 141.

nilotica (Klug, 1829) (*Mutilla*): Symb. phys. Dec. 1; tab. 5, fig. 7, ♂, type locality: Egypt pr. Saccaharum, holotype in Zool. Mus. Berlin. Synonymized by Petersen, 1988: 141.

lepidia (Klug, 1835) (*Mutilla*): Reise d. Tirol 2: 94, ♀, type locality: Andalusia (Spain), syntypes probably lost. Synonymized by Petersen, 1988: 141.

oraniensis (Lucas, 1849) (*Mutilla*): Explor. sci. de l'Alg. 3: 287, tab. 15, fig. 10, ♂, type locality: Oran (Algeria), lectotype in Mus. Nat. d'Hist. Natur. Paris (designated by Petersen, 1988: 144). Synonymized by Morawitz, 1865: 136.

pseudocypria Invrea, 1940 (*Dasylabris*, as variety of *maura*): Boll. Soc. entom. Ital. 72(8): 122, ♂, type locality: Tunisia, holotype in Genova Mus. Civ. Stor. Natur. Synonymized by Petersen, 1988: 141.

[aureomaculata (Sichel et Radoszkowski, 1870) (*Mutilla*), Horae Soc. Ent. Ross. 6(3-4): 255, ♀, type locality: "Crimea" (Ukraine), actually Africa, holotype in Wien Naturhist. Mus.]. Synonymized with *Dasylabris merope* (Smith, 1855) by Bischoff, 1921: 629.

bucharensis Skorikov, 1935 (*Dasylabris*, as variety of *sarafschani*): Tr. Tadzh. basy AN SSSR 5: 299, ♀, type locality: "Buchara, Kara-Kul" (Uzbekistan), lectotype in St. Petersburg Zool. Inst. (designated by Lelej, 1980: 187). – Distribution: Asia: TU, UZ, TJ, Afghanistan.

algira Skorikov, 1935 (*Dasylabris*, as variety of *exarenaria*): Tr. Tadzh. basy AN SSSR 5: 296, ♀, type locality: Kshtut (Tajikistan), lectotype "Дол. Зеравшана, Кштут Самарк. обл. (А. Гольбек)" in St. Petersburg Zool. Inst. (designated here, in order to ensure the name's proper and consistent use). **New Synonymy**.

canariensis Suárez, 1970 (*Dasylabris*): Graellsia 25: 249, ♂, ♀, type locality: "Catalina Garcia isla de Fuerteventura" (Canary Is.), holotype ♂ in Madrid Inst. Español Ent. – Distribution: North Africa: Canary Is.

cinerescens (Olivier, 1811) (*Mutilla*): Encyclopedie methodique 8: 56, ♂, type locality: "en Perse, aux environs de Kermachah" (Iran), holotype in Mus. Nat. d'Hist. Natur. Paris. – Distribution: Asia: Iran.

crenata (Radoszkowski, 1865) (*Mutilla*): Bull. Soc. Imper. Natur. Moscou 38(2): 462, ♂, type locality: "Songaria" (north-west China), syntypes in Krakow Inst. Syst. Exper. Zool. – Distribution: Asia: KZ (south), KY, UZ, TJ, China: NW (Xinjiang).

egregia (Klug, 1835) (*Mutilla*): Reise d. Tirol 2: 93, ♂, type locality: "Andalousie Puertoreal" (Spain), syntypes in Zool. Mus. Berlin. – Distribution: Europe: E.

atriventris (André, 1903) (*Mutilla*, as variety of *maura*): Spec. Hymen. d'Eur. et d'Alg. 8: 404, ♂, type locality: "Torreveja" (Spain), holotype in Madrid Inst. Español Ent. – Distribution: Europe: E.

calonata (André, 1903) (*Mutilla*, as variety of *maura*): Spec. Hymen. d'Eur. et d'Alg. 8: 389, ♀, type locality: "Madrid" (Spain), syntypes in Madrid Inst. Español Ent. Synonymized by Giner, 1944: 110.

garciamerceti Suárez, 1962 (*Dasylabris*): Boll. Soc. entom. Ital. 92(9-10): 148, ♂, type locality: "de Aserifa, Saguia el Hamra" (Western Sahara), holotype in Madrid Inst. Español Ent. – Distribution: North Africa: Western Sahara.

iberica Giner 1942 (*Dasylabris*): Eos 18: 88, ♂, ♀, type locality: "Torrente, Valencia" (Spain), holotype ♂ in Madrid Inst. Español Ent. – Distribution: Europe: F, E, P.

valverdei Suárez, 1970 (*Dasylabris*, as subspecies of *iberica*): Graellsia 25: 246, ♂, type locality: "Reserva biologica de Donana, Huelva" (Spain), holotype in Suárez's coll., Almeria. – Distribution: Europe: E.

nevadensis Suárez, 1965 (*Dasylabris*, as subspecies of *iberica*): Eos 40(3-4): 584, ♂, type locality: "Horcajo de Trevelez, Sierra Nevada" (Spain), holotype in Suárez's coll., Almeria. – Distribution: Europe: E.

intermedia Skorikov, 1935 (*Dasylabris*, as variety of *siberica*): Tr. Tadzh. basy AN SSSR 5: 295, ♀, type locality: "Transbaicalia, Selenginsk" (Russia: Transbaicalia), lectotype in St. Petersburg Zool. Inst. (designated by Lelej, 1976: 268). – Distribution: Russia: ES (south Buryatia); Asia: Afghanistan, Mongolia, China: NO (Neimenggu, Hebei, Shandong), CE (Jiangsu, Zhejiang), SE (Fujian), Korea.

ypsilon Chen, 1957 (*Dasylabris*, as subspecies of *rubrosignata*): Quart. J. Taiwan Mus. 10(3-4): 219, ♀, type locality: "Fukien, Chungan (Bohea Hills) (China, Fujian), holotype in Maa's coll. Synonymized by Lelej, 1976: 268.

juxtarenaria Skorikov, 1935 (*Dasylabris*): Tr. Tadzh. basy AN SSSR 5: 297, ♀, type locality: Morocco, lectotype in St. Petersburg Zool. Inst. (designated by Lelej, 1976: 193). – Distribution: North Africa: Tunisia, Algeria, Morocco.

atratoria Petersen 1988 (*Dasylabris*): Steenstrupia 14(6): 145, ♂, ♀, type locality: Tunisia, holotype ♂, in Copenhagen Univ. Zool. Mus. **New Synonymy**.

kondarensis Lelej, 1985 (*Dasylabris*): Osy-nemki fauny SSSR: 128, ♀, type locality: "Kondara near Dushanbe" (Tajikistan), holotype in St. Petersburg Zool. Inst. – Distribution: Asia: TJ.

kruegeri Invrea, 1953 (*Dasylabris*, as variety of *maura*): Boll. Soc. entom. Ital. 83: 17, ♂, type locality: "Garian" (Libya), holotype in Genova Mus. Civ. Stor. Natur. – Distribution: North Africa: Libya.

lybica Invrea, 1940 (*Dasylabris*, as variety of *maura*): Boll. Soc. entom. Ital. 72(8): 122, ♂, type locality: "Gialo" (Libya), holotype in Genova Mus. Civ. Stor. Natur. – Distribution: Africa: Morocco, Algeria, Tunisia, Libya, Chad.

libyca Invrea, 1953 (*Dasylabris*, as subspecies of *maura*): Bull. Soc. Sci. natur. Maroc 32: 293, ♂. Junior synonym according to article 33.2.3 of ICZN. **New Synonymy**.

trilineata Invrea, 1953 (*Dasylabris*, as forma of *maura libyca*): Bull. Soc. Sci. Natur. Maroc. 32: 293, ♂, type locality: "Boumalne" (Morocco), holotype in Genova Mus. Civ. Stor. Natur. Invalid according to article 45.5 of ICZN. Synonymized by Petersen, 1988: 184.

maura (Linnaeus, 1758) (*Mutilla*): Systema Nature 1: 583, ♀, type locality: "Germania" (Germany), neotype in London Linnean Society (designated by Petersen, 1988: 182). – Distribution: Europe: P, S, F, CH, I, M, Croatia, BH, YU, Macedonia, AL, GR, BG, H, TR, A, CZ, SL, D, PL, U; Russia: SET, South Ural, WS (Altai, south); Asia: KZ, KY, ARM, AZ, TU (Kopet-Dag), TR, Iran (north), ?Palestine.

maura maura (Linnaeus, 1758). – Distribution: Europe: F, CH, I, M, Croatia, BH, YU, Macedonia, AL, GR, BG, H, TR, A, CZ, SL, D, PL, U (Crimea). Asia: GE, ARM, AZ.

austriaca (Panzer, 1799) (*Mutilla*): Faune Insectorum Germaniae oder Deutschlands insecten 62: t. 20, ♂, type locality: "Habitat in Austria", types unknown. Synonymized by Morawitz, 1865: 137.

rubricans (Lepeletier, 1845) (*Mutilla*): Hist. nat. ins. Hymen. 3: 612, ♂, type locality: "France meridionale", lectotype in Torino Mus. Reg. Sci. Natur. (designated by Petersen, 1988: 182). Synonymized by Invrea, 1964: 254.

argenteofasciata (Costa, 1858) (*Mutilla*): Fauna regno Napoli: 17, tab. 21, fig. 6, ♂, type locality: "Napoli, Sicilia" (Italy), syntypes in Mus. Zool. Univ. Napoli. Synonymized by Morawitz, 1865: 137.

trisinuosa (Costa 1886) (*Mutilla*): Rc. Accad. Sci. fis. mat., Napoli 25: 283, ♂, type locality: South Italy, lectotype in Mus. Zool. Univ. Napoli (designated by Petersen, 1988: 182). Synonymized by Petersen, 1988: 181.

nigrociliata Hoffer, 1938 (*Dasylabris*, as forma of *maura*): Sb. ent. Odd. nar. Mus. Praze 16: 194, ♀ type locality: not given, probably Czechia or Slovakia, syntypes probably in Praha Narodni Muz. **New Synonymy**.

maura sungora (Pallas, 1773) (*Mutilla*): Reisen ... Russischen Reiches 2: 730, ♂, non ♀, type locality: Shulba river on Irtysh river (Kazakhstan), lectotype in Zool. Mus. Berlin (designated by Petersen, 1988: 185). – Distribution: Russia: SET, South Ural, WS (Altai, south); Asia: KZ, KY.

quadrimaculata (Radoszkowski, 1865) (*Mutilla*; nom. praeocc., non Lucas, 1849): Bull. Soc. Imper. Natur. Moscou 38(2): 450; nomen nudum; type locality: "Sarepta" (Russia), lectotype in St. Petersburg Zool. Inst. (designated by Lelej, 1976: 189). Synonymized by Lelej, 1976: 189.

nostras Skorikov, 1935 (*Dasylabris*, as subspecies of *maura*): Tr. Tadzh. basy AN SSSR 5: 296, ♀, type locality: "Sarepta" (Russia), lectotype in St. Petersburg Zool. Inst. (designated by Lelej, 1976: 189). Synonymized by Lelej, 1976: 189.

argentata Skorikov, 1935 (*Dasylabris*, as variety of *maura nostras*): Tr. Tadzh. basy AN SSSR 5: 296, ♀, type locality: Sarepta (Russia). Invalid according to article 45.5 of ICZN.

argyrauxa Skorikov, 1935 (*Dasylabris*, as variety of *maura nostras*): Tr. Tadzh. basy AN SSSR 5: 296, ♀, type locality: Sarepta (Russia). Invalid according to article 45.5 of ICZN.

consuenta Skorikov, 1935 (*Dasylabris*, as variety of *maura nostras*): Tr. Tadzh. basy AN SSSR 5: 296, ♀, type locality: Sarepta (Russia). Invalid according to article 45.5 of ICZN.

iberica Skorikov, 1935 (*Dasylabris*, as variety of *maura nostras*): Tr. Tadzh. basy AN SSSR 5: 296, ♀, type locality: Armenia. Invalid according to article 45.5 of ICZN.

infuscata Skorikov, 1935 (*Dasylabris*, as variety of *maura nostras*): Tr. Tadzh. basy AN SSSR 5: 296, ♀, type locality: not given. Invalid according to article 45.5 of ICZN.

quinquemaculata Skorikov, 1935 (*Dasylabris*, as variety of *maura nostras*): Tr. Tadzh. basy AN SSSR 5: 296, ♀, type locality: Sarepta (Russia). Invalid according to article 45.5 of ICZN.

tricincta Skorikov, 1935 (*Dasylabris*, as variety of *maura nostras*): Tr. Tadzh. basy AN SSSR 5: 296, ♀, type locality: Orenburg (Russia: South Ural). Invalid according to article 45.5 of ICZN.

maura clausa (Lepeletier, 1845) (*Mutilla*): Hist. nat. ins. Hymen. 3: 601, ♂, type locality: "Environs de Paris" (France), lectotype in Torino Mus. Reg. Sci. Natur. (designated by Petersen, 1988: 183). – Distribution: Europe: P, S, F (south), CH.

maura armeniaca (Kolenati, 1846) (*Mutilla*): Meletemata entomologica 5: 123, ♀, type locality: "in Armenia et in confinio Persiae" (Armenia, Iran), syntypes not found. – Distribution: Russia: SET (Daghestan); Asia: ARM, AZ, TU (Kopet-Dag), TR, Iran (north), ? Palestine.

mlokosewitzii Radoszkowski, 1885 (*Dasylabris*): Horae Soc. Ent. Ross. 19(1/2): 47, ♂, type locality: Daghestan (Russia: north Caucasus), syntypes in Krakow Inst. Syst. Exper. Zool. Synonymized by André, 1899: 24.

duplicolor Skorikov, 1935 (*Dasylabris*): Tr. Tadzh. basy AN SSSR 5: 297, ♀, type locality: Daghestan (Russia: north Caucasus), lectotype in St. Petersburg Zool. Inst. (designated by Lelej, 1976: 193). Synonymized by Lelej, 1976: 193.

maura carinulata (Dalla Torre, 1897) (*Mutilla*): Cat. Hymen. 8: 21. New name for *Mutilla carinata* Sichel et Radoszkowski, 1870. – Distribution: Europe: F (Corsica), I (Sardinia).

carinata (Sichel et Radoszkowski, 1870) (*Mutilla*, nom. praeocc., non Smith, 1858): Horae Soc. Ent. Ross. 6(4): 272, ♂, type locality: "Corse" (France), lectotype in Krakow Inst. Syst. Exper. Zool. (designated by Petersen, 1988: 184).

mitra Lelej, 1980 (*Dasylabris*): Entom. Obozr. 59(1): 188, ♀, type locality: Afghanistan, Lagman province, Alisheng river, holotype in St. Petersburg Zool. Inst. – Distribution: Asia: Afghanistan (east).

mixta (André, 1903) (*Mutilla*): Spec. Hymen. d'Eur. et d'Alg. 8: 391, ♀, type locality: "Caucasus", syntypes in Mus. Nat. d'Hist. Natur. Paris. – Distribution: Asia: ARM, AZ, TU, Iran (north).

cirrata Skorikov, 1935 (*Dasylabris*, as variety of *mixta*): Tr. Tadzh. basy AN SSSR 5: 299, ♀, type locality: not given, syntypes not found.

New Synonymy.

mongolica (Radoszkowski, 1861) (*Mutilla*): Horae Soc. Ent. Ross. 1: 85, ♀, type locality: "Mongolia", syntypes not found. – Distribution: Asia: KZ (south and east), KY, UZ, TU, TJ, Iran (norh), Afghanistan (Gazni), Mongolia, China: NW (Xinjiang).

exarenaria Skorikov, 1935 (*Dasylabris*): Tr. Tadzh. basy AN SSSR 5: 296, ♀, type locality: "Naryn" (Uzbekistan), lectotype in St. Petersburg Zool. Inst. (designated by Lelej, 1976: 195). Synonymized by Lelej, 1976: 195.

turana Skorikov, 1935 (*Dasylabris*): Tr. Tadzh. basy AN SSSR 5: 296, ♀, type locality: Karamatshi, Syr-Darja region (Uzbekistan), lectotype in St. Petersburg Zool. Inst. (designated by Lelej, 1976: 195). Synonymized by Lelej, 1976: 195.

rufoccephala (André, 1903) (*Mutilla*, as variety of *maura*): Spec. Hymen. d'Eur. et d'Alg. 8: 388, ♀, type locality: "Tunisia", syntypes in Mus. Nat. d'Hist. Natur. Paris. – Distribution: Asia: Palestine; North Africa: Western Sahara, Tunisia, Morocco, Mauritania.

pseudomongolica Ovchinnikov, 2002 (*Dasylabris*): Entomol. Invest. 22: 99, ♂, type locality: "Chon-Aryk S of Bishkek" (Kyrgyzstan), holotype in St. Petersburg Zool. Inst. – Distribution: Asia: KZ (south-east), KY.

sarafschani (Radoszkowski, 1877) (*Mutilla*): Voyage au Turkestan d'Alexis Fedtschenko, 2(5): 41, ♀, ♂, type locality: Kysylkum, Karak Mt. (south Kazakhstan), lectotype ♀ in Zool. Mus. Moscow Univ. (designated by Lelej, 1976: 193). – Distribution: Asia: KZ (south), KY, UZ, TU, Iran (norh-east).

suspecta (André, 1903) (*Mutilla*): Spec. Hymen. d'Eur. et d'Alg. 8: 403, ♂, type locality: "Askhabad" (Turkmenistan), syntypes in Mus. Nat. d'Hist. Natur. Paris. Synonymized by Lelej, 1976: 193.

argyronota Skorikov, 1935 (*Dasylabris*, as variety of *sarafschani*): Tr. Tadzh. basy AN SSSR 5: 299, ♀, type locality: Khorasan, Gulmirun (north-east Iran), lectotype in St. Petersburg Zool. Inst. (designated by Lelej, 1980: 187). Synonymized by Lelej, 1980: 187.

siberica (Christ, 1791) (*Mutilla*): Naturgesch. Klassif. Nomencl.: 148, ♂ non ♀, type locality: "Siberie" (Russia: probably Altai or Irkutsk), syntypes not found. – Distribution: Russia: WS (Altai), ES (Tuva, south of Krasnoyarskii krai, Transbaicalia), FE (Amurskaya oblast, Primorskii krai); Asia: Mongolia, China: NO (Neimenggu, Shanxi, Hebei), CE (Jiangsu), ? Korea.

rubrosignata (Radoszkowski, 1865) (*Mutilla*): Bull. Soc. Imper. Natur. Moscou 38(2): 461, ♂, type locality: "Kiachta, frontiere de Chine" (Russia: Buryatia and China), syntypes in Krakow Inst. Syst. Exper. Zool. and Zool. Mus. Berlin. Synonymized by Lelej, 1985: 130.

quadrimaculata (Sichel et Radoszkowski, 1870) (*Mutilla*, as variety of *maura*; nom. praeocc., non Lucas, 1849): Horae Soc. Ent. Ross. 6(3-4): 240, ♀, type locality: "Kiachta" (Russia: Buryatia), syntypes in Zool. Mus. Berlin. Synonymized by Lelej, 1985: 130.

quadripunctata (Sichel et Radoszkowski, 1870) (*Mutilla*, as variety of *maura*; nom. praeocc., non Olivier, 1811): Horae Soc. Ent. Ross. 6(3-4): 240, ♀, type locality: "Kiachta" (Russia: Buryatia), syntypes in Zool. Mus. Berlin. **New Synonymy**.

insignata Skorikov, 1935 (*Dasylabris*, as variety of *siberica*): Tr. Tadzh. basy AN SSSR 5: 294, ♀, type locality: not given, syntypes not found. **New Synonymy**.

incompleta Skorikov, 1935 (*Dasylabris*, as variety of *siberica*): Tr. Tadzh. basy AN SSSR 5: 295, ♀, type locality: not given, syntypes not found. **New Synonymy**.

skorikovi Lelej, 1971 (*Dasylabris*): Entom. Obozr. 50(3): 678, ♀ type locality: Tshu-Iliyskie gory (Kazakhstan), holotype in St. Petersburg Zool. Inst. – Distribution: Asia: KZ (south), KY.

wahrmani (Invrea, 1965) (*Stenomutilla*, as subspecies of *argentata*): Mem. Soc. entom. Ital. 44: 71, ♂, type locality: Israel, holotype in Bytinski Salz's coll. (Univ. Tel Aviv). – Distribution: Asia: Israel.

zarudnyi Lelej, 1985 (*Dasylabris*): Osy-nemki fauny SSSR: 126, ♂, type locality: East Iran, Khorasan, holotype in St. Petersburg Zool. Inst. – Distribution: Asia: Iran (east).

Subgenus *Inbaltilla* Lelej, 1976

Inbaltilla (as subgenus of *Dasylabris* Radoszkowski, 1885) Lelej, 1976: Entom. Obozr. 55(1): 196. Type species: *Mutilla regalis* Fabricius, 1793 (original designation).

anceps (Radoszkowski, 1877) (*Mutilla*): Voyage au Turkestan d'Alexis Fedtschenko, 2(5): 40, tab. 3, fig. 9, ♂, type locality: Kysylkum (south Kazakhstan), lectotype in Zool. Mus. Moscow Univ. (designated by Lelej, 1976: 198). – Distribution: Asia: KZ (south), UZ, TU.

mirifica Skorikov, 1935 (*Dasylabris*): Tr. Tadzh. basy AN SSSR 5: 301, ♀, type locality: Repetek (Turkmenistan), lectotype ♀ in Zool. Mus. Moscow Univ. (designated by Lelej, 1976: 198). Synonymized by Lelej, 1985: 141.

biblica Invrea, 1950 (*Dasylabris*, as subspecies of *italica*): Mem. Soc. entom. Ital. 29: 27, ♀, type locality: "Jerico", Palestine, holotype in Genova Mus. Civ. Stor. Natur. – Distribution: Europe: GR (Crete); Asia: Palestine.

defecta (André, 1903) (*Mutilla*, as variety of *italica*): Spec. Hymen. d'Eur. et d'Alg. 8: 394, ♀, type locality: "Caucasus, Turkestan, Algerie, Egypt", syntypes Mus. Nat. d'Hist. Natur. Paris. – Distribution: Asia: Caucaus, Turkestan; North Africa: Algeria, Egypt.

erronea Lelej, 1985 (*Dasylabris*): Osy-nemki fauny SSSR: 140, ♀, type locality: Aini (Tajikistan), holotype in St. Petersburg Zool. Inst. – Distribution: Asia: ARM, AZ, KZ, KY, UZ, TJ.

[ferrugineiventris (André, 1903) (*Mutilla*, as variety of *italica*): Spec. Hymen. d'Eur. et d'Alg. 8: 418, ♂, type locality: not given, holotype in Mus. Nat. d'Hist. Natur. Paris. – Distribution: unknown]. Probably not Palaearctic.

gussakovskii Skorikov, 1935 (*Dasylabris*): Tr. Tadzh. basy AN SSSR 5: 298, ♀, type locality: Kuropatkino (=Gallya-Aral), Samarkandskaya oblast (Uzbekistan), holotype in St. Petersburg Zool. Inst. – Distribution: Asia: KZ, KY, UZ, TU, Iran (north).

indra Lelej, 1980 (*Dasylabris*): Entom. Obozr. 59(1): 189, ♀, type locality: Afghanistan, province Lagman, Shamakat, holotype in St. Petersburg Zool. Inst. – Distribution: Asia: Afghanistan (east).

jacobsoni Skorikov, 1935 (*Dasylabris*): Tr. Tadzh. basy AN SSSR 5: 298, ♀, type locality: Sretenka, Tshu river valley (Kyrgyzstan), lectotype in St. Petersburg Zool. Inst. (designated by Lelej, 1976: 197). – Distribution: Asia: KZ, KY.

lugubris (Fabricius, 1804) (*Mutilla*): Systema piezatorum: 433, ♂, type locality: "Habitat in Tanger" (Morocco), lectotype in Copenhagen Univ. Zool. Mus. (designated by Petersen, 1988: 179). – Distribution: Europe: E, P; North Africa: Morocco, Algeria, Tunisia, Egypt.

elegans (Klug, 1835) (*Mutilla*): Reise d. Tirol 2: 93, ♀, type locality: "Andalusien" (Spain), lectotype in Zool. Mus. Berlin. (designated by Petersen, 1988: 181). Synonymized by Petersen, 1988: 179.

tristis (Klug, 1835) (*Mutilla*): Reise d. Tirol 2: 92, ♂, type locality: "Andalusien" (Spain), lectotype in Zool. Mus. Berlin. (designated by Petersen, 1988: 181). Synonymized by Sichel and Radoszkowski, 1870: 262.

decorata (Sichel et Radoszkowski, 1870) (*Mutilla*, nom. praeocc. non Smith, 1855): Horae Soc. Ent. Ross. 6(3-4): 215, ♀, type locality: "Egypt", holotype in Mus. Nat. d'Hist. Natur. Paris. Synonymized by André, 1903: 464.

decoratissima (Dalla Torre, 1897) (*Mutilla*): Cat. Hymen. 8: 30. New name for *Mutilla decorata* Sichel et Radoszkowski, 1870. Synonymized by André, 1903: 464.

almeriensis Suárez, 1952 (*Dasylabris*, as variety of *italica*): Boln. R. Soc. esp. Hist. nat. 50: 87, ♀, type locality: "La Cañada" (Spain: Almeria), holotype in Suárez' coll. Almeria. Synonymized by Petersen, 1988: 180.

lyuateyi Invrea, 1953 (*Dasylabris*): Bull. Soc. Sci. natur. Maroc 32: 297, ♂, type locality: "Port-Lyuatey" (Morocco), syntypes in Genova Mus. Civ. Stor. Natur. – Distribution: North Africa: Morocco.

miogramma Skorikov, 1935 (*Dasylabris*, as variety of *italica*): Tr. Tadzh. basy AN SSSR 5: 297, ♀, type locality: Crimea, Kertsh (Ukraine), lectotype in St. Petersburg Zool. Inst. (designated by Lelej, 1985: 257). – Distribution: Europe: U (south), R.

paupertina Skorikov, 1935 (*Dasylabris*, as variety of *ornata*): Tr. Tadzh. basy AN SSSR 5: 298, ♀, type locality: Bukhara, Khargush (Uzbekistan), lectotype in St. Petersburg Zool. Inst. (designated by Lelej, 1976: 200). – Distribution: Asia: ARM, AZ, TU, UZ, KY, TJ.

obscura Skorikov, 1935 (*Dasylabris*, as variety of *scutila*): Tr. Tadzh. basy AN SSSR 5: 301, ♀, type locality: Bukhara, Khargush (Uzbekistan), lectotype in St. Petersburg Zool. Inst. (designated by Lelej, 1976: 200). Synonymized by Lelej, 1985: 139.

ditescens Skorikov, 1935 (*Dasylabris*, as variety of *ornata*): Tr. Tadzh. basy AN SSSR 5: 298, ♀, type locality: Turkestan, syntypes not found. **New Synonymy**.

medialis Lelej, 1975 (*Dasylabris*): Zool. Zhurn. 54: 620, ♂ non ♀, type locality: Aini (Tajikistan), holotype ♂ in St. Petersburg Zool. Inst. Synonymized by Lelej, 1985: 139.

popovi Skorikov, 1935 (*Dasylabris*, as variety of *italica*): Tr. Tadzh. basy AN SSSR 5: 297, ♀, type locality: Armenia, Erevan, lectotype in St. Petersburg Zool. Inst. (designated by Lelej, 1985: 258). – Distribution: Asia: ARM, Iran (north).

regalis (Fabricius, 1793) (*Mutilla*): Entomologia systematica 2: 371, ♀, type locality: "Habitat in Hungaria" (Hungary), neotype ♂ in Copenhagen Univ. Zool. Mus. (designated by Petersen, 1988: 186). – Distribution: Europe: CZ, SL, A, H, YU, BG, U; Russia: SET, South Ural, WS (Altai); Asia: KZ.

petiolata (Baer, 1848) (*Mutilla*): Bull. Soc. Imp. Natur. Moscou 21(1): 231, ♀, type locality: "Habitat in regionibus meridionalibus Russiae" (Russia), types not found. Synonymized by André, 1903: 464.

petiolaris (Radoszkowski, 1865) (*Mutilla*, nom. praeocc., non Fabricius, 1804): Bull. Soc. Imper. Natur. Moscou 38(2): 448, tab. 7, fig. 15, ♀, type locality: "Saratov, Odessa, Crimea" (Russia, Ukraine), syntypes probably in Krakow Inst. Syst. Exper. Zool. Synonymized by André, 1903: 464.

concolora (Radoszkowski, 1865) (*Mutilla*): Bull. Soc. Imper. Natur. Moscou 38(2): 461, tab. 9, fig. 3, ♂, type locality: "Spask" (Russia: South Ural), lectotype in Krakow Inst. Syst. Exper. Zool. (designated by Petersen, 1988: 180). Synonymized by Lelej, 1985: 133.

unipetiolaris (Radoszkowski, 1866) (*Mutilla*): Bull. Soc. Imper. Natur. Moscou 39: 303. New name for *Mutilla petiolaris* Radoszkowski, 1865. Synonymized by André, 1903: 464.

triangulomaculata Skorikov, 1935 (*Dasylabris*, as variety of *italica*): Tr. Tadzh. basy AN SSSR 5: 297, ♀, type locality: Saratov (Russia), lectotype in St. Petersburg Zool. Inst. (designated by Lelej, 1985: 134). Synonymized by Lelej, 1985: 134.

slovaca Hoffer, 1938 (*Dasylabris*, as forma of *italica*): Sb. ent. Odd. nar. Mus. Praze 16: 195, ♀, type locality: "Sekule, Borsky Sl. Jur" (Slovakia), syntypes probably in Praha Narodni Muz. **New Synonymy**.

batai Hoffer, 1938 (*Dasylabris*, as forma of *italica*): Sb. ent. Odd. nar. Mus. Praze 16: 195, ♀, type locality: "Bzenec-Moravsky Pisek" (Czechia), holotype probably in Praha Narodni Muz. **New Synonymy**.

scutila Skorikov, 1935 (*Dasylabris*): Tr. Tadzh. basy AN SSSR 5: 298, ♀, type locality: Armenia, Arax valley, lectotype in St. Petersburg Zool. Inst. (designated by Lelej, 1976: 196). – Distribution: Asia: TR, ARM, GE, AZ.

shelkovnikovi Lelej, 1985 (*Dasylabris*): Osy-nemki fauny SSSR: 138. New name for *Dasylabris armeniaca* Skorikov, 1935. – Distribution: Asia: ARM.

armeniaca Skorikov, 1935 (*Dasylabris*, as subspecies of *ornata*, nom. praeocc., non Kollenati, 1846): Tr. Tadzh. basy AN SSSR 5: 298, ♀, type locality: Armenia, Erevan, lectotype in St. Petersburg Zool. Inst. (designated by Lelej, 1976: 193). Synonymized by Lelej, 1985: 138.

stenothoracica Skorikov, 1935 (*Dasylabris*): Tr. Tadzh. basy AN SSSR 5: 298, ♀, type locality: Ashkhabad (Turkmenistan), lectotype in St. Petersburg Zool. Inst. (designated by Lelej, 1976: 200). – Distribution: Asia: KZ (south), KY, UZ, TU, TJ.

paupera Skorikov, 1935 (*Dasylabris*, as variety of *stenothoracica*): Tr. Tadzh. basy AN SSSR 5: 298, ♀, type locality: not given, syntypes not found. **New Synonymy**.

nigrifica Skorikov, 1935 (*Dasylabris*, as variety of *stenothoracica*): Tr. Tadzh. basy AN SSSR 5: 298, ♀, type locality: not given, syntypes not found. **New Synonymy**.

argentata Skorikov, 1935 (*Dasylabris*, as variety of *stenothoracica*): Tr. Tadzh. basy AN SSSR 5: 298, ♀, type locality: not given, syntypes not found. **New Synonymy**.

vittata (Olivier, 1811) (*Mutilla*): Encyclopedie methodique 8: 64, ♀, type locality: "de l'Arabie, aux environs de Bagdad" (Iraq), holotype in Mus. Nat. d'Hist. Natur. Paris. – Distribution: Asia: Iran (north), Iraq, Syria.

zimini Skorikov, 1935 (*Dasylabris*): Tr. Tadzh. basy AN SSSR 5: 299, ♀, type locality: Bukhara, Sarai-Lyalin (Uzbekistan), lectotype in St. Petersburg Zool. Inst. (designated by Lelej, 1976: 199). – Distribution: Asia: KZ, UZ, TU, TJ.

kopetdaga Skorikov, 1935 (*Dasylabris*, as subspecies of *zimini*): Tr. Tadzh. basy AN SSSR 5: 300, ♀, type locality: Kopet-Dag (Turkmenistan), lectotype in St. Petersburg Zool. Inst. (designated by Lelej, 1976: 199). Synonymized by Lelej, 1985: 140.

zonsteini Ovchinnikov, 2002 (*Dasylabris*): Entomol. Invest. 22: 101, ♂, type locality: "Jagnob" (Tajikistan), holotype in St. Petersburg Zool. Inst. – Distribution: Asia: KY, TJ.

49. Genus *Jaxartilla* Lelej, 1984

Jaxartilla Lelej, 1984: Entom. Obozr. 63(4): 826. Type species: *Jaxartilla fedtshenkoi* Lelej, 1984 (monobasic).

fedtshenkoi Lelej, 1984 (*Jaxartilla*): Entom. Obozr. 63(4): 826, type locality: "Karataugebirge bei Djulek" (Kazakhstan), holotype in St. Petersburg Zool. Inst. – Distribution: Asia: KZ.

50. Genus *Orientilla* Lelej, 1979

Orientilla Lelej, 1979: Zool. Zhurn. 58(7): 1066. Type species: *Orientilla vietnamica* Lelej, 1979. [Not Palaearctic].

tausignata (Chen, 1957) (*Stenomutilla*): Quart. J. Taiwan Mus. 10(3-4): 221, ♀, type locality: "Fujian" (China), holotype in Maa's coll. – Distribution: Asia: China: CE (Anhui, Hunan, Jianxi, Zhejiang), SE (Fujian, Guangdong).

variegata (Smith, 1855) (*Mutilla*): Cat. Hymen. 3: 39, ♀, type locality: "North China", syntypes in London Brit. Mus. Nat. Hist. – Distribution: Asia: China: CE (Jiangsu, Anhui, Hunan, Zhejiang), SE (Fujian, Guangxi, Hainan, Taiwan), Vietnam, ?Myanmar.

desponsa (Smith, 1855) (*Mutilla*): Cat. Hymen. 3: 38, ♂, type locality: "North China", syntypes in London Brit. Mus. Nat. Hist. Synonymized by Lelej, 1996: 106.

51. Genus *Stenomutilla* André, 1896

Stenomutilla (as subgenus of *Mutilla* Linnaeus, 1758) André, 1896: Mem. Soc. Zool. France 9: 265. Type species: *Mutilla argentata* Villers, 1789 (original designation).

Subgenus *Stenomutilla* André, 1896

acanthosterna Nonveiller, 1994 (*Stenomutilla*): Boll. Mus. civ. St. nat. Verona 18: 189, ♂, type locality: "Turkey", holotype in Gusenleitner's coll. – Distribution: Asia: TR.

aethiops Nonveiller, 1994 (*Stenomutilla*): Boll. Mus. civ. St. nat. Verona 18: 169, ♂, type locality: "Tripolitaine" (Libya), holotype in Inst. Entomol. Agraria, Portici. – Distribution: North Africa: Libya.

anatolica Nonveiller, 1994 (*Stenomutilla*): Boll. Mus. civ. St. nat. Verona 18: 171, ♂, type locality: "Turkey", holotype in Gusenleitner's coll. – Distribution: Asia: TR.

argentata (Villers, 1789) (*Mutilla*): Caroli Linnaei entomologia: 343, ♀, type locality: South France, neotype in Copenhagen Univ. Zool. Mus. (designated by Petersen, 1988: 175). – Distribution: I, F (south), E, P.

rondanii (Spinola, 1843) (*Mutilla*): Annls Soc. entom. Fr. 2(1): 133, ♂, type locality: Parma (Italy), syntypes probably in Mus. Zool. Univ. Torino. Synonymized by Sichel and Radoszkowski, 1870: 191.

austriaca (Lepeletier, 1845) (*Mutilla*, nom. praeocc., non Panzer, 1799): Hist. nat. ins. Hymen. 3: 598, ♀, ♂, type locality: Italy and Provence (Italy, France), syntypes in Mus. Zool. Univ. Torino. Synonymized by Sichel and Radoszkowski, 1870: 189.

aucta (Lepeletier, 1845) (*Mutilla*): Hist. nat. ins. Hymen. 3: 605, ♀, type locality: "Montpellier" (South France), syntypes in Mus. Nat. d'Hist. Natur., Paris. Synonymized by André, 1903: 466.

saundersivora Ferton, 1921 (*Stenomutilla*, as variety of *argentata*): Annls soc. entom. France 89: 359, ♀, type locality: "Nemours" (France), syntypes probably in Mus. Nat. d'Hist. Natur. Paris. **New Synonymy**.

carinata Skorikov, 1935 (*Stenomutilla*): Tr. Tadzh. basy AN SSSR 5: 307, ♂, type locality: "Niza" (South France), lectotype in St. Petersburg Zool. Inst. (designated by Lelej, 1985: 157). Synonymized by Lelej, 1985: 157.

melanica Nonveiller, 1994 (*Stenomutilla*, as forma of *argentata*): Boll. Mus. civ. St. nat. Verona 18: 162, ♂, type locality: Spain. Invalid according to article 15.2 of ICZN.

bicornuta Nonveiller, 1994 (*Stenomutilla*): Boll. Mus. civ. St. nat. Verona 18: 174, ♂, type locality: "Cyprus", holotype in Naturhist. Mus. Wien. – Distribution: Asia: CY.

bizonata (Smith, 1856) (*Mutilla*): Cat. Hymen. 4: 478. New name for *Mutilla bifasciata* Klug, 1829. – Distribution: Europe: Croatia, AL, GR; Asia: Lebanon, Syria, Israel, Iran, TR, ARM.

bifasciata (Klug, 1829) (*Mutilla*, nom. praeocc., non Swederus, 1787): Symb. phys. Dec. 1: tab. 5, fig. 5, ♀, type locality: Syria, holotype in Zool. Mus. Berlin. Synonymized with *shelkovnikovi* by Petersen, 1988: 176.

shelkovnikovi Skorikov, 1935 (*Stenomutilla*): Tr. Tadzh. basy AN SSSR 5: 308, ♀, type locality: Armenia, Erevan, lectotype in St. Petersburg Zool. Inst. (designated by Lelej, 1985: 156). **New Synonymy**.

collaris (Fabricius, 1787) (*Scolia*): Mantissa Insectorum 1: 281, ♂, type locality: Tunis (Tunisia), lectotype in Copenhagen Univ. Zool. Mus. (designated by Petersen, 1988: 157). – Distribution: E, P, Gibraltar, I (Sicily); North Africa: Morocco, Tunisia, Algeria.

sabulosa (Klug, 1835) (*Mutilla*): Reise d. Tirol 2: 94, ♀, type locality: Andalusien (Spain), holotype in Zool. Mus. Berlin. Synonymized by Petersen, 1988: 157.

angustisquama Skorikov, 1935 (*Stenomutilla*): Tr. Tadzh. basy AN SSSR 5: 307, ♂, type locality: Andalusia (Spain), lectotype in St. Petersburg Zool. Inst. (designated by Lelej, 1985: 156). Synonymized by Lelej, 1985: 156.

erlandssoni Suárez, 1961 (*Stenomutilla*): Boll. Soc. entom. Ital. 91: 150, ♂, type locality: "San Diego, Cadiz" (Spain), holotype in Suárez's coll., Almeria. Synonymized by Petersen, 1988: 157.

erubescens Invrea, 1965 (*Stenomutilla*, as subspecies of *argentata*): Mem. Soc. entom. Ital. 44: 72, ♀, type locality: Israel, holotype in Bytinski Salz's coll. (Univ. Tel Aviv). – Distribution: Asia: Israel, Jordan.

hottentota (Fabricius, 1804) (*Mutilla*): Systema piezatorum: 433. New name for *Mutilla barbara* Fabricius, 1793. – Distribution: Europe: I (south, Sicily), M; North Africa: Morocco, Tunisia, Algeria.

barbara (Fabricius, 1793) (*Mutilla*, nom. praeocc., non Linnaeus, 1758): Entomologia systematica 2: 370, ♂, type locality: "in Barbaria" (Morocco), lectotype in Copenhagen Univ. Zool. Mus. (designated by Petersen, 1988: 153).

luctuosa (Lucas, 1849) (*Mutilla*): Explor. sci. de l'Alg. 3: 291, pl. 16, fig. 16, ♀, type locality: Algeria, syntypes in Mus. Nat. d'Hist. Natur. Paris. Synonymized by Morawitz, 1865: 140.

parens (Costa, 1860) (*Mutilla*): Fauna regno Napoli: 32, tab. 25, fig. 3, ♀, type locality: "Napoli" (Italy), syntypes in Mus. Zool. Univ. Napoli. Synonymized by Sichel and Radoszkowski, 1870: 189.

propinqua Nonveiller, 1994 (*Stenomutilla*, as forma of *hottentota*): Boll. Mus. civ. St. nat. Verona 18: 162, ♂, type locality: South Italia, Malta, North Africa. Invalid according to article 15.2 of ICZN.

impressiventris Nonveiller, 1994 (*Stenomutilla*): Boll. Mus. civ. St. nat. Verona 18: 173, ♂, type locality: "Rio de Oro" (Western Sahara), holotype in Madrid Inst. Español Ent. – Distribution: North Africa: Western Sahara.

invreai Nonveiller, 1994 (*Stenomutilla*): Boll. Mus. civ. St. nat. Verona 18: 180, ♂, type locality: "Tunisia", holotype in Mus. Nat. d'Hist. Natur., Paris. – Distribution: North Africa: Tunisia.

osellai Nonveiller, 1994 (*Stenomutilla*): Boll. Mus. civ. St. nat. Verona 18: 187, ♂, type locality: "Turkey", holotype in Nonveiller's coll., Zemun. – Distribution: Asia: TR.

quadricincta Giner, 1945 (*Stenomutilla*): Eos 21: 256, fig. 18, ♀, type locality: "Smeil el Leben" (Western Sahara), holotype in Madrid Inst. Español Ent. – Distribution: North Africa: Western Sahara.

rubripes Invrea, 1967 (*Stenomutilla*, as subspecies *erlandssonii*): Boll. Soc. entom. Ital. 97(3/4): 55, ♂, type locality: Israel, syntypes in Univ. Tel Aviv. – Distribution: Asia: Israel, Jordan.

rubripes Invrea, 1965 (*Stenomutilla*, as forma of *argentata bifasciata*): Mem. Soc. entom. Ital. 44: 72, ♂, ♀, type locality: Israel, syntypes in Bytinski Salz's coll. (Univ. Tel Aviv). Invalid according to article 15.2 of ICZN.

rufinodis Giner, 1947 (*Stenomutilla*, as variety of *argentata*): Eos 23(1): 28, ♀, ♂, type locality: "Sebja Echaifa" (Western Sahara), syntypes in Madrid Inst. Español Ent. – Distribution: North Africa: Western Sahara.

rungsi Giner, 1959 (*Stenomutilla*): Eos 35(4): 399, ♀, type locality: "Immouzer du K." (Morocco), holotype in Madrid Inst. Español Ent. – Distribution: North Africa: Morocco.

sejugis (Radoszkowski, 1885) (*Dasylabris*): Horae Soc. Ent. Ross. 19(1/2): 46, ♀, type locality: "Askhabad, Pichpek" (Turkmenistan, Kyrgyzstan), syntypes in Krakow Inst. Syst. Exper. Zool. – Distribution: Asia: KZ (south), KY, UZ, TJ, Iran (north), Afghanistan.

chorezmiensis Skorikov, 1935 (*Stenomutilla*): Tr. Tadzh. basy AN SSSR 5: 309, ♀, type locality: Kuropatkino (=Gallya-Aral) (Uzbekistan), lectotype in St. Petersburg Zool. Inst. (designated by Lelej, 1985: 155). Synonymized by Lelej, 1985: 155.

infusca Skorikov, 1935 (*Stenomutilla*, as variety of *chorezmiensis*): Tr. Tadzh. basy AN SSSR 5: 310, ♀, type locality: Georgievka (Kazakhstan), holotype in St. Petersburg Zool. Inst. Synonymized by Lelej, 1976: 272.

tabida (Lucas, 1849) (*Mutilla*): Explor. sci. de l'Alg. 3: 298, pl. 16, fig. 5, ♀, type locality: "Algeria", syntypes in Mus. Nat. d'Hist. Natur. Paris. – Distribution: North Africa: Algeria. Probably synonym of *Stenomutilla collaris* (F.) or *S. hottentota* (F.).

tetrazonia Skorikov, 1935 (*Stenomutilla*): Tr. Tadzh. basy AN SSSR 5: 308, ♀, type locality: Changir, Bukhara (Uzbekistan), lectotype in St. Petersburg Zool. Inst. (designated by Lelej, 1976: 272). – Distribution: Asia: KZ (south), TU, UZ, TJ, Mongolia.

ferrugineocapitata Skorikov, 1935 (*Stenomutilla*, as variety of *tetrazonia*): Tr. Tadzh. basy AN SSSR 5: 309, ♀, type locality: Khodzha-Ulkan (Uzbekistan), lectotype in St. Petersburg Zool. Inst. (designated by Lelej, 1985: 156). Synonymized by Lelej, 1985: 156.

52. Genus *Tricholabiodes* Radoszkowski, 1885

Tricholabiodes Radoszkowski, 1885: Horae Soc. Ent. Ross. 19(1/2): 35. Type species: *Mutilla pedunculata* Klug, 1829 (=*Mutilla semistriata* Klug, 1829) (designated by Ashmead, 1903: 305).

aegyptiacus (Radoszkowski, 1876) (*Mutilla*): Horae Soc. Ent. Ross. 12: 138, ♀, type locality: not given [Egypt], holotype in Krakow Inst. Syst. Exper. Zool. – Distribution: North Africa: Egypt.

asiaticus Radoszkowski, 1885: (*Tricholabiodes*): Horae Soc. Ent. Ross. 19(1/2): 36, fig. 69, ♂, type locality: Ashkhabad (Turkmenistan), lectotype in St. Petersburg Zool. Inst. (designated by Lelej, 1985: 150). – Distribution: Asia: KZ (south), UZ, TU, TJ, Iran.

bactrianus Suárez, 1967 (*Tricholabiodes*): Eos 42(3-4): 565, ♂, type locality: Ashkhabad (Turkmenistan), holotype in Madrid Inst. Español Ent. – Distribution: Asia: TU, Iran.

beludzhistanus Lelej, 1985 (*Tricholabiodes*): Osy-nemki fauny SSSR: 152, ♂, type locality: Bempur, south-east Iran, holotype in St. Petersburg Zool. Inst. – Distribution: Asia: Iran.

garamantis Suárez, 1967 (*Tricholabiodes*): Eos 42(3-4): 563, ♂, type locality: "Hoggar" (=Ahaggar) (Algeria), holotype in Suárez's coll. Almeria. – Distribution: North Africa: Algeria.

israeliticus Suárez, 1967 (*Tricholabiodes*): Eos 42(3-4): 564, ♂, type locality: Eilat (Israel), holotype in Univ. Tel Aviv. – Distribution: Asia: Israel.

mandibularis Lelej, 1985 (*Tricholabiodes*): Osy-nemki fauny SSSR: 150, ♂, type locality: Minab, south-east Iran, holotype in St. Petersburg Zool. Inst. – Distribution: Asia: Iran.

marmorica Invrea, 1932 (*Tricholabiodes*): Mem. Soc. entom. Ital. 11: 67, ♂, type locality: "Porto Badria" (Libya), holotype in Genova Mus. Civ. Stor. Natur. – Distribution: North Africa: Libya, Tunisia.

niloticus Suárez, 1967 (*Tricholabiodes*): Eos 42(3-4): 569, ♂, type locality: "de Helwan" (Egypt), holotype in Genova Mus. Civ. Stor. Natur. – Distribution: Africa: Egypt, Libya, Mauritania, Ethiopia, Sudan.

nuristanus Lelej, 1980 (*Tricholabiodes*): Entom. Obozr. 59(1): 186, ♂, type locality: Afghanistan, Kunar province, Pech river, holotype in St. Petersburg Zool. Inst. – Distribution: Asia: Afghanistan (east).

pallidicornis Bischoff, 1920 (*Tricholabiodes*, as subspecies of *semistriata*): Arch. Naturgesch. 86A(1-3): 106, ♂, type locality: "Tig'amaiin-entisita" (? Algeria), holotype in Zool. Mus. Berlin. – Distribution: North Africa: Algeria, Tunisia, Libya, Western Sahara.

pallidus Lelej, 1985 (*Tricholabiodes*): Osy-nemki fauny SSSR: 151, ♂, type locality: Kerman, south-east Iran, holotype in St. Petersburg Zool. Inst. – Distribution: Asia: Iran.

patrizii Invrea, 1932 (*Tricholabiodes*): Ann. Mus. civ. stor. nat. Giacomo Doria 55: 462, ♂, type locality: "South Libya, Kufra Oasis (=Al Jawf)" (Libya), syntypes in Genova Mus. Civ. Stor. Natur. – Distribution: North Africa: Libya (south), Chad.

persicus Suárez, 1967 (*Tricholabiodes*, as subspecies of *niloticus*): Eos 42(3-4): 570, ♂, type locality: "de Bushire" (Iran), holotype in Madrid Inst. Español Ent. – Distribution: Asia: Iran

saharicus Suárez, 1967 (*Tricholabiodes*): Eos 42(3-4): 566, ♂, type locality: "de Zguilma, Saoura" (Algeria), holotype in Suárez's coll. Almeria. – Distribution: North Africa: Algeria, Morocco, Western Sahara, Mauritania, Libya, Chad.

semistriatus (Klug, 1829) (*Mutilla*): Symb. phys. Dec. 1: tab. 4, fig. 9, ♀, type locality: "in Aegypto, prope Bir Lebuc" (Egypt), holotype in Zool. Mus. Berlin. – Distribution: Asia: Israel, Arabia, Oman; North Africa: Egypt, Libya, Eritrea, Somali, Cameroon.

pedunculatus (Klug, 1829) (*Mutilla*): Symb. phys. Dec. 1: tab. 5, fig. 10, ♂, type locality: "Arabia deserta" (Egypt), lectotype in Zool. Mus. Berlin (designated by Suárez, 1989: 153). Synonymized by André, 1910: 32.

palaestinensis Suárez, 1967 (*Tricholabiodes*, as subspecies of *pedunculatus*): Eos 42(3-4): 563, ♂, type locality: "de Revivim" (Israel), holotype in Suárez's coll. Almeria. – Distribution: Asia: Israel.

stenothorax Suárez, 1967 (*Tricholabiodes*): Eos 42(3-4): 572, ♀, type locality: "de Guelta Zemur, Saguia el Hamra" (Western Sahara), holotype in Madrid Inst. Español Ent. – Distribution: North Africa: Western Sahara, Morocco.

sudanensis Suárez, 1967 (*Tricholabiodes*): Eos 42(3-4): 561, ♂, type locality: "de Assab" (Eritrea), holotype in Genova Mus. Civ. Stor. Natur. – Distribution: Africa: Egypt, Libya, Eritrea, Chad, Mali, Cameroon.

IX. Subfamily EPHUTINAE Ashmead, 1903

Ephutinae Ashmead, 1903: Can. Entom. 35: 304.

Tribe Odontomutillini Lelej, 1983

Odontomutillini Lelej, 1983: Entom. Obozr. 62(3): 612.

53. Genus **Odontomutilla** Ashmead, 1899

Odontomutilla Ashmead, 1899: J. N. Y. Entom. Soc. 7: 55, 58. Type species: *Mutilla saussurei* Sichel et Radoszkowski, 1870 (designated by André, 1901: 329). [Not Palaearctic].

sinensis (Smith, 1855) (*Mutilla*): Cat. Hymen. 3: 39, ♀, ♂, type locality: "North China", holotype ♀ in London Brit. Mus. Nat. Hist. – Distribution: Asia: China: CE (Jiangsu, Anhui, Zhejiang), SE (Fujian).

54. Genus **Yamanetilla** Lelej, 1996

Yamanetilla Lelej, 1996: Tropics 6(1/2): 101. Type species: *Odontomutilla nipponica* Tsuneki, 1972 (original designation).

nipponica (Tsuneki, 1972) (*Odontomutilla*, as subspecies of *taiwaniana*): Etizenia 61: 7, ♀, ♂, type locality: "Arashi, Fukui pref." Japan (Honshu), holotype ♂ in Mus. Nat. Human Activity, Hyogo. – Distribution: Asia: Japan (Honshu).

quadruplex (Chen, 1957) (*Odontomutilla*): Quart. J. Taiwan Mus. 10(3-4): 155, ♀, ♂, type locality: "Nanking" China (Jiangsu), holotype ♂ in Heude Mus. Shanghai. – Distribution: Asia: China: CE (Jiangsu).

X. MUTILLIDAE INCERTAE SEDIS

Genus *Cretavus* Sharov, 1957

Cretavus Sharov, 1957: Doklady AN SSSR 112(5): 943. Type species: *Cretavus sibiricus* Sharov, 1957 (monobasic). *Cretavus* is type genus for family Cretavidae that has been synonymized with Mutillidae by Rasnitsyn (1975: 109), but later (Rasnitsyn, 1980: 126) made such synonymy doubtful.

sibiricus Sharov, 1957 (fossil) (*Cretavus*): Doklady AN SSSR 112(5): 943, ♂, type locality: Bol'shoy Bas (Upper Cretaceous), holotype in Moscow Palaeont. Inst. (N 1157).

Genus *Mutilla* Linnaeus, 1758

citigrada Gistel, 1857 (*Mutilla*): Achthundert und zwanzig: 35, ♂, type locality: "Algarbia" (Portugal), syntypes unknown. – Distribution: Europe: P.

clythrae Rosenhauer, 1856 (*Mutilla*): Thiere Andalusiens: 372. type locality: "Andalusia" (Spain), syntypes unknown. – Distribution: Europe: E. Probably junior synonym of *Stenomutilla collaris* (Fabricius, 1787).

defunctatrix Gistel, 1857 (*Mutilla*): Achthundert und zwanzig: 36, ♂, type locality: "Algarbia" (Portugal), syntypes unknown. – Distribution: Europe: P. Similar with *Dasylabris lugubris* (Fabricius).

dimidiata (Latreille, 1792) (*Mutilla*): Act. Soc. Hist. Nat. Paris 1: 11, ♀, type locality: "in provincia Inculismensi et in Alsatia" (south and north-east France), syntypes not found. – Distribution: Europe: F. Probably senior synonym of *Myrmosa atra* Panzer, 1801.

interrupta Latreille, 1792 (*Mutilla*): Acta Soc. hist. nat. Paris 1: 9, ♀, type locality: "Habitat in Gallo-provincia" (France), syntypes unknown. – Distribution: Europe: F (south). Probably belongs to the genus *Blakeius*.

irritabilis Smith, 1879 (*Mutilla*): Descr. new Hymen. 195, ♀, type locality: Egypt, syntypes in London Brit. Mus. Nat. Hist. – Distribution: North Africa: Egypt.

lichtensteinii Tournier, 1889 (*Mutilla*): L'entom. genevois 1: 13, ♂, type locality: Montpellier (France), syntypes unknown. – Distribution: Europe: F (south).

myrmecium Klug, 1817 (*Mutilla*): Reise durch Oesterreich 2: 263, ♀, type locality: "Trieste" (Italy). – Distribution: Europe: I. Probably senior synonym of *Artiotilla biguttata* (Costa, 1858).

pertyana Gistel, 1857 (*Mutilla*): Achthundert und zwanzig: 44, ♀, type locality: "Algarbia" (Portugal), syntypes unknown. Similar with *Mutilla quinquemaculata* Cyrillo, 1787. – Distribution: Europe: P.

pulverifex Gistel, 1857 (*Mutilla*): Achthundert und zwanzig: 37, ♀, type locality: "Algarbia" (Portugal), syntypes unknown. – Distribution: Europe: P.

pyriformis Gistel, 1857 (*Mutilla*): Achthundert und zwanzig: 40, ♀, type locality: "Italia" (Italy), syntypes unknown. – Distribution: Europe: I. Similar with *Nemka viduata* (Pallas).

saltatrix Scopoli, 1763 (*Mutilla*): Entom. Carn.: 314. type locality: "Carnia" (Italy), syntypes unknown. – Distribution: Europe: I.

taurica Gistel, 1857 (*Mutilla*, nom. praeocc., non Radoszkowski, 1865): Achthundert und zwanzig: 41, ♀, type locality: "Tauria" (Ukraine, Crimea), syntypes unknown. – Distribution: Europe: U (Crimea). Probably belong to genus *Dasylabris*.

westerhauseri Gistel, 1857 (*Mutilla*): Achthundert und zwanzig: 46, ♀, type locality: "Sicilia" (Italy), syntypes unknown. – Distribution: Europe: I. Similar with *Mutilla pertyana* Gistel.

Genus *Myrmosa* Latreille, 1796

muscifex Gistel, 1857 (*Myrmosa*): Achthundert und zwanzig: 37, ♀, type locality: "Algarbia" (Portugal), syntypes unknown. – Distribution: Europe: P.

psammodes Gistel, 1857 (*Myrmosa*): Achthundert und zwanzig: 30, ♀, type locality: "Algarbia" (Portugal), syntypes unknown. – Distribution: Europe: P.

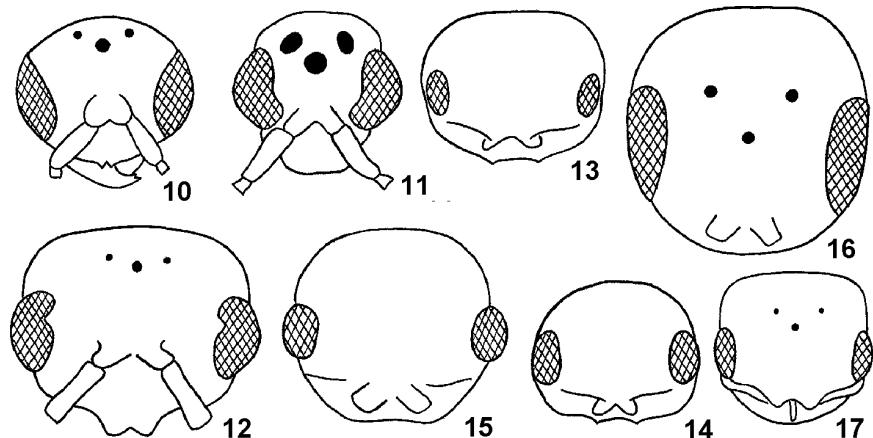
APPENDIX

KEY TO THE PALAEARCTIC SUBFAMILIES, TRIBES AND GENERA

KEY TO THE SUBFAMILIES

M a l e s

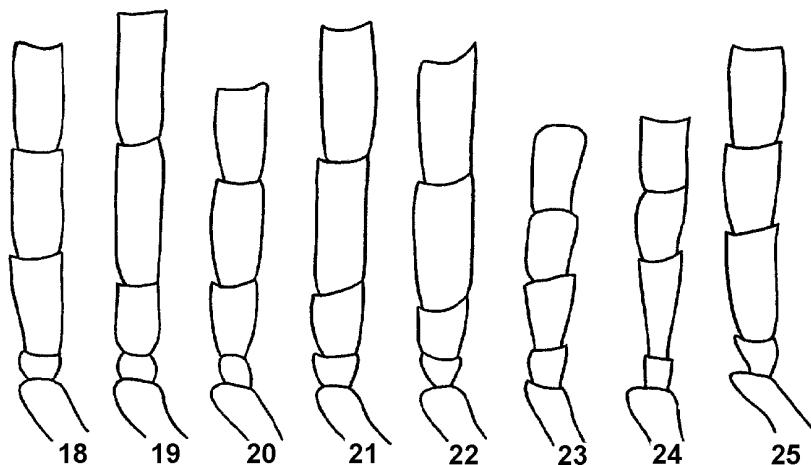
1. Apterous or subapterous forms **V. Myrmillinae**
- Fully winged forms 2
2. Gastral segment 2 without felt lines on tergum or sternum. Eyes with setae, sometimes very short, visible under large magnification. Veins of forewing touch the wing apex 3
- Gastral segment 2 with felt lines on tergum or sternum (Fig. 59), if without felt lines (tribe Ticoplini) than eyes haired. Eyes without setae. Veins of forewing not touch the wing apex 4
3. Hypopygium (sternum 8) with two or four lateral lobes or process. Gastral terga basally constricted **I. Myrmosinae**
- Hypopygium (sternum 8) without lateral lobe or processus. Gastral terga basally not constricted **II. Kudakrumiinae**
4. Forewing and hindwing with anal lobe (Figs 37, 38). Claws with denticle (Fig. 67). One Palaearctic genus *Pseudophotopsis* (p. 23) **III. Pseudophotopsidinae**
- Forewing and hindwing without anal lobe (Figs 35, 39, 41-44). Claws without denticle (Fig. 68) 5
5. Second radio-medial cell of forewing petiolate or absent (Fig. 43). Eyes haired **IV. Ticoplinae**
- Second radio-medial cell of forewing not petiolate, always developed (Figs 39, 40). Eyes never haired 6
6. Inner eye margin without any notch (Figs 10, 11) 7
- Inner eye margin with deep notch (Fig. 12), if sometimes notch not so deep (some Mutillini), than tegulae shortened 9
7. Gastral segment 1 not constricted posterad. Gonostyli curved down **V. Myrmillinae**
- Gastral segment 1 usually constricted posterad. Gonostyli straight or curved up 8
8. Eyes hemispherical (as Fig. 15). Gonostyli strongly curved up. One Palaearctic genus *Cystomutilla* (p. 86) **VII. Sphaeropthalminae**
- Eyes weakly convex, oval (Figs 10, 11). Gonostyli straight or slightly curved up apically **VIII. Dasylabrinae**
9. Postero-lateral scutellar angles produced into acute denticle or gastral segment 1 cylindrical **IX. Ephutinae**
- Postero-lateral scutellar angles not produced into acute denticle. Gastral segment 1 wide or campanuliform, never cylindrical **VI. Mutillinae**



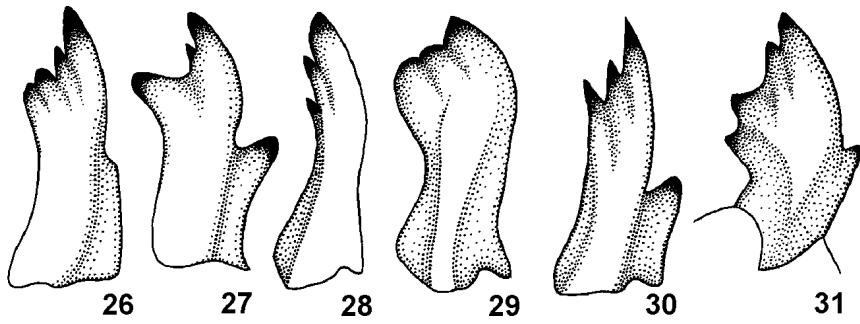
Figs 10-17. Head. 10 – *Dasylabris maura sungora*, ♂; 11 – *Tricholabiodes asiaticus*, ♂; 12 – *Mutilla europaea*, ♂; 13, 14 – *Myrmilla propodealis*, ♀ (13 – large specimen, 14 – small specimen); 15 – *Cystomutilla ruficeps*, ♀; 16 – *Pseudophotopsis kokpetica*, ♀; 17 – *Paramyrmosa myrmilicephala*, ♀. (From Lelej, 1985).

F e m a l e s

1. Eyes haired, sometimes the setae rare and visible under large magnification	2
– Eyes not haired	4
2. Pronotum not movable, at most dorsally there is suture trace between pronotum and other mesosoma part (Fig. 48)	IV. Ticoplinae
– Pronotum movable, dorsally distinctly separated from other mesosoma part (Figs 45, 46)	3
3. Ocelli present. Clypeus basally with medial tubercle or longitudinal carina	I. Myrmosinae
– Ocelli absent. Clypeus basally without any medial tubercle or carina	II. Kudakrumiinae
4. Claws with denticle (Fig. 66). Mesosoma dorsally with visible suture traces (Figs 47, 76). One Palaearctic genus <i>Pseudophotopsis</i> (p. 23)	III. Pseudophotopsidinae
– Claws without denticle (Fig. 68). Mesosoma dorsally without visible suture traces (Figs 49-58)	5
5. Mesosoma with convex mesopleurae, mesothorax widest (Figs 52-58)	6
– Mesosoma with concave mesopleurae, mesothorax not widest (Figs 49-51)	8
6. Eyes hemispherical (Fig. 15). One Palaearctic genus <i>Cystomutilla</i> (p. 86)	VII. Sphaeropthalminae
– Eyes flattened, oval (Fig. 69)	7

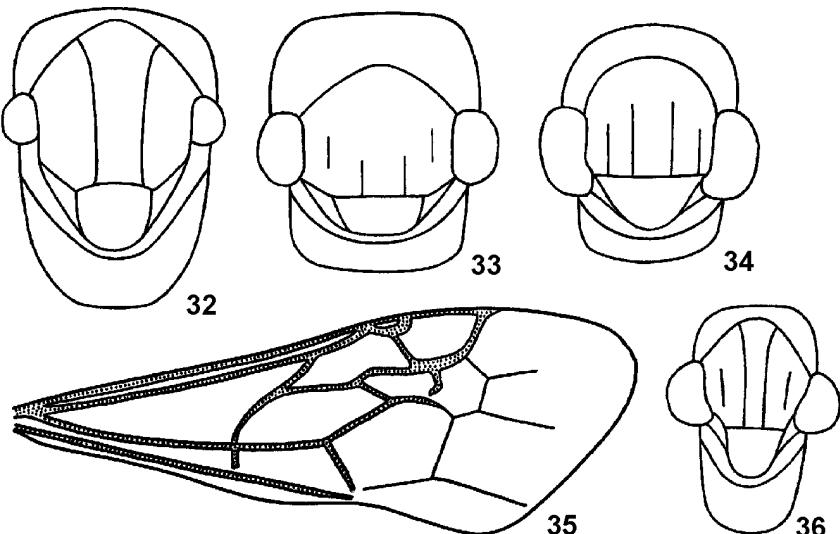


Figs 18-25. Pedicel and flagellomere 1-3 of antenna. 18 – *Tropidotilla litoralis*, ♂; 19 – *Ephutomma turcestanica*, ♂; 20 – *Promecilla primana*, ♂; 21 – *Nemka viduata*, ♂; 22 – *Ctenotilla caeca*, ♂; 23 – *E. angustata*, ♀; 24 – *N. viduata*, ♀; 25 – *Trogaspidia fedtschenkoi*, ♂. (From Lelej, 1985).



Figs 26-31. Male mandible. 26 – *Dasylabris maura sungora*, 27 – *D. regalis*, 28 – *Tropidotilla litoralis*, 29 – *Mutilla mikado*, 30 – *Nemka viduata*, 31 – *Dentilla persica*. (From Lelej, 1985).

7. Gastral segment 1 petiolate (but not cylindrical) (Fig. 56). Flagellomeres usually not shortened, flagellomere 2 is 1.5–2.0 times longer than pedicel VIII. **Dasylabrinae**
- Gastral segment 1 very wide or cylindrical (Figs 57, 58). Flagellomeres shortened, flagellomere 2 is equal in length to pedicel IX. **Ephutinae**
8. Mesopleural suture ends at mid spiracle tubercle. Usually head shape modified; head elongated behind the eyes and remarkably wider than pronotum (Fig. 77) V. **Myrmillinae**
- Mesopleural suture ends at anterior spiracle. Usually head shape not modified or head weakly wider than pronotum VI. **Mutillinae**



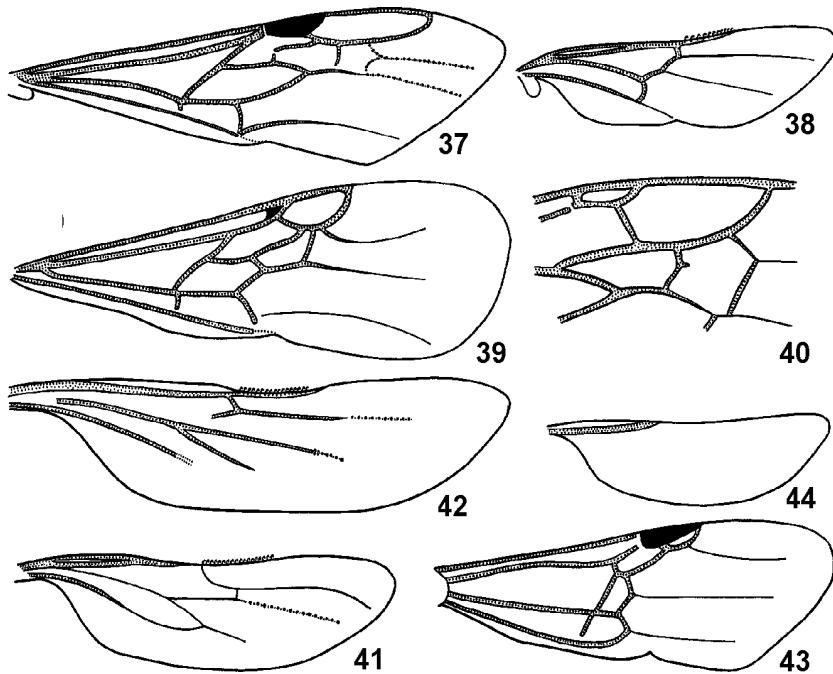
Figs 32-36. Mesosoma and forewing of male. 32 – *Tricholabiodes asiaticus*, 33 – *Dasylabris maura sungora*, 34 – *Tropidotilla litoralis*, 35 – *Physetopoda halensis*, 36 – *Nemka viduata*. (From Lelej, 1985).

KEY TO THE TRIBES AND GENERA

I. Subfamily MYRMOSINAE

M a l e s

1. Gastral tergum 7 laterad without preapical tooth 2
- Gastral tergum 7 laterad with preapical tooth 4
2. Gastral tergum without longitudinal rounded fovea and rounded apically. Inner border of mandible with two preapical teeth, first tooth from base not enlarged. Gastral sternum basally without medial tubercle
..... 5. *Paramyrmosa* (p. 21)
- Gastral tergum with longitudinal rounded fovea and more or less emarginated apically. Inner border of mandible with three preapical teeth, first tooth from base enlarged. Gastral sternum basally with medial tubercle 3
3. Legs black. Gastral terga black with rare black setae on posterior border ...
..... 4. *Myrmosa* (p.19)
- Legs except coxae red. Gastral terga 1–4 with ivory cuticular band and fringe of dense pale setae on posterior border 1. *Carinomyrmosa* (p. 17)
4. Hypopygium (sternum 8) with thin process between lateral process and medial lobe 3. *Krombeinella* (p. 17)
- Hypopygium (sternum 8) without process between lateral process and medial lobe 2. *Erimyrmosa* (p. 17)



Figs 37-44. Wing of male. 37, 38 – *Pseudophotopsis kokpetica*; 39 – *Dasylabris jacobsoni*; 40, 41 – *Nemka viduata*; 42 – *D. maura sungora*; 43, 44 – *Nanomutilla yoca*. 37, 39, 40, 43 – forewing; 38, 41, 42, 44 – hindwing. (Figs 37-42 from Lelej, 1985; 43, 44 from Nagy, 1970).

F e m a l e s (unknown for *Erimyrmosa*)

1. Eyes protruded of head outline. Pronotum elongated; anterior angles of gastral tergum 1 with carina (Fig. 45) 1. *Carinomyrmosa* (p. 17)
- Eyes not protruded or weakly protruded of head outline (Fig. 17). Pronotum not elongated. Anterior angles of gastral tergum 1 without carina 2
2. Flagellomere 3 angulate anterad. – Head behind the eyes elongated (Fig. 17). Pronotum wider than propodeum 5. *Paramyrmosa* (p. 21)
- Flagellomere 3 cylindrical 3
3. Head behind the eyes not elongated, convergent. Flagellomere 1 equal to flagellomere 2 or shorter than it. Gastral tergum 1 with brownish-red cuticular band 4. *Myrmosa* (p. 19)
- Head behind the eyes elongated. Flagellomere 1 slightly longer than flagellomere 2. Gastral tergum 1 usually with ivory cuticular band 3. *Krombeinella* (p. 17)

II. Subfamily KUDAKRUMIINAE

M a l e s

1. Fossil. Radial cell of forewing wide and long, almost touch the wing apex
6. *Protomutilla* (p. 22)
- Recent. Radial cell of forewing narrower and shorter
7. *Pseudomyrmosa* (p. 22)

F e m a l e s

1. Fossil. Hind mesosomal angles acute or dentate 6. *Protomutilla* (p. 22)
- Recent. Hind mesosomal angles rounded 7. *Pseudomyrmosa* (p. 22)

IV. Subfamily TICOPLINAE

M a l e s

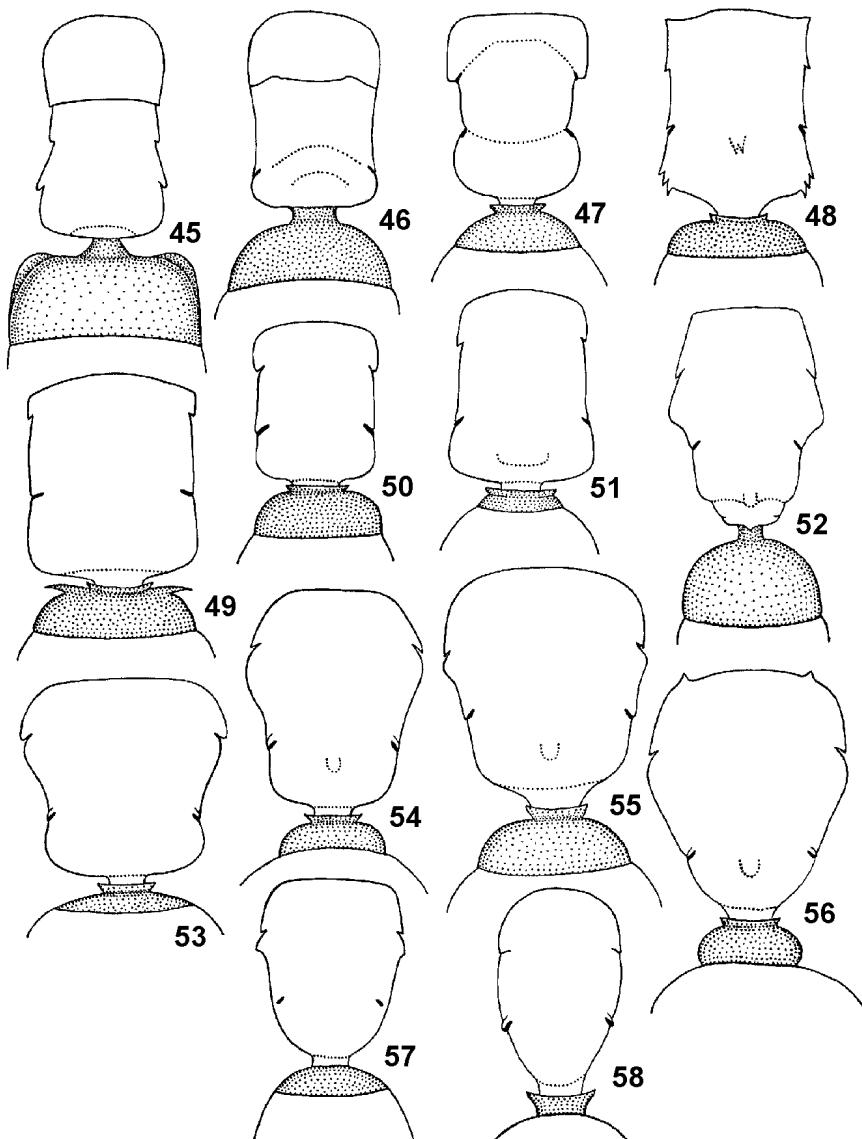
1. Eyes with conspicuous long hairs. Dorsal pronotum not separated from anterior declivity. Scutellum small. Gastral segment 2 without lateral felt lines. (Tribe **Ticoplini**) 9. *Nanomutilla* (p. 27)
- Eyes without conspicuous hairs. Dorsal pronotum carinately separated from anterior declivity. Scutellum large, acutely produced behind over the metanotum. Gastral segment 2 both on tergum and sternum with lateral felt line. (Tribe **Smicromyrmillini**) 10. *Smicromyrmilla* (p. 28)

F e m a l e s

1. Eyes small, facets large, more spherical each. Anterior pronotal margin not abruptly nor carinately separated from the collar declivity. Gastral sternum 2 without lateral felt line. Pygidial area not defined. (Tribe **Ticoplini**)
9. *Nanomutilla* (p. 27)
- Eyes large, facets small, more flattened. Anterior pronotal margin abruptly and carinately separated from the collar declivity. Gastral sternum 2 with lateral felt line. Pygidial area defined as a polished stripe, sometimes carinated laterad. (Tribe **Smicromyrmillini**) 10. *Smicromyrmilla* (p. 28)

V. Subfamily MYRMILLINAE
M a l e s (unknown for subgenus *Conjunctotilla* of *Odontotilla*)

1. Apterous or subapterous forms 2
- Fully winged forms 4
2. Hind coxa ventrally with postero-lateral small sharp denticle. Propodeal lateral border (not face) more or less dentate. Gastral tergum 1 divided into distinct dorsal and anterior surfaces, dorsum with medial spot of pale pubescence 19. *Spilomutilla* (p. 40)
- Hind coxa ventrally without postero-lateral small sharp denticle. Propodeal lateral border not dentate. Gastral tergum 1 not divided into distinct dorsal and anterior surfaces, dorsum without medial spot of pale pubescence 3



Figs 45-58. Mesosoma and gastral segment 1 of female (dorsal view). 45 – *Carinomyrmex gussakovskiji*, 46 – *Pseudomyrmex schlettereri*, 47 – *Pseudophotopsis kokpetica*, 48 – *Smicromyrma ariasi*, 49 – *Myrmilla calva*, 50 – *Mutilla saltensis*, 51 – *Timulla vagans* (Fabricius), 52 – *Rhopalomyrmex* sp. 53 – *Pseudomeihoa propinqua* (Cresson), 54 – *Dasymutilla occidentalis* (Linnaeus), 55 – *Dasylabroides* sp., 56 – *Dasylabris mongolica*, 57 – *Odontomutilla parvula* (Magretti), 58 – *Ephuta scruposa* (Say). (Figs 45-51, 53-58 from Lelej, 1985; 52 from Brothers, 1975).

3. Gastral tergum 2 basally without spots of pale pubescence 14. *Myrmilla* (p. 31)

– Gastral tergum 2 basally with two pale spots, disposed transversally 12. *Blakeius* (p. 29)

4. Forewing with three radio-medial cells. Flagellomere 1 remarkably shorter than flagellomere 2 5

– Forewing with two radio-medial cells. Flagellomere 1 equal to flagellomere 2 or weakly shorter than it 6

5. Eyes enlarged, remarkably protruding of head outline, the distance between eye and posterior eye border (dorsal view) much less than eye length. Gastral sternum 2 posterad not armed. Gastral sternum 8 (hypopygium) without tubercles. – Seven Afrotropical species [*Squamulotilla* Bischoff, 1920]

– Eyes not enlarged, weakly protruding of head outline, the distance between eye and posterior eye border (dorsal view) more than eye length. Gastral sternum 2 posterad with transversal arcuate carina and weak medial longitudinal carina. Gastral sternum 8 (hypopygium) with two basal tubercles 18. *Sigilla* (p. 40)

6. Forewing with large preapical dark spot. – Gastral sternum 2 basally with strong longitudinal curved tooth 12. *Blakeius* (p. 29)

– Forewing without large preapical dark spot, transparent or infuscated 7

7. Body strongly shiny, smooth. – Gastral sternum 2 longitudinally carinated (unknown for me) 13. *Liomutilla* (p. 31)

– Body punctured, haired, less shiny 8

8. Eyes ovate, emarginated inside (unknown for me) 15. *Myrmotilla* (p. 39)

– Eyes ovate, not emarginated inside 9

9. Gastral tergum 2 laterad longitudinally swollen. Gastral sternum 2 with extremely long carina protruding of posterior sternal border 17. *Platymyrmilla* (p. 39)

– Gastral tergum 2 laterad not swollen. Gastral sternum 2 at most with short longitudinal medial carina 10

10. Mandible widened apically, inner border at most with weak basal tubercle 14. *Myrmilla* (p. 31)

– Mandible acuminate apically, inner border with strong basal tubercle 11. *Bischoffitilla* gen. n. (p. 28, 126)

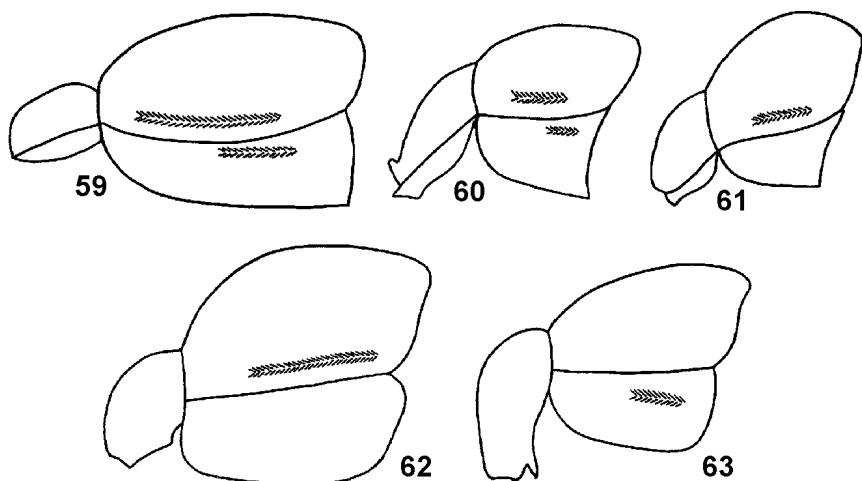
F e m a l e s

1. Gastral tergum 2 with one or two pale spots disposed transversally in basal half 2

– Gastral tergum 2 without pale spots in basal half 4

2. Gastral tergum 2 with one large medial spot 3

– Gastral tergum 2 with two pale spots disposed transversally in basal half 12. *Blakeius* (p. 29)



Figs 59-63. Felt lines of male gastral segment 2. 59 – *Pseudophotopsis kokpetica*, 60 – *Smicromyrme rufipes*, 61 – *Physetopoda halensis*, 62 – *Dasylabris maura sungora*, 63 – *Stenomutilla tetrazonia*. (From Lelej, 1985).

3. Gastral tergum 2 with ivory cuticular spot not covered by pale setae (unknown for me) 15. *Myrmotilla* (p. 39)
 – Gastral tergum 2 with spot of pale pubescence 18. *Sigilla* (p. 40)
 4. Gastral sternum 6 with one medial or two basal distinct tubercles. Mid coxa anterad with sharp tubercle 5
 – Gastral sternum 6 without any tubercles. Mid coxa anterad without tubercle 6
 5. Gastral sternum 6 with two basal distinct tubercles. Mandible widened apically, inner border without basal tubercle. Gastral tergum 1 dorsally with one medial spot or band of pale pubescence 19. *Spilomutilla* (p. 40)
 – Gastral sternum 6 with one medial small tubercle. Mandible acuminate apically, inner border with basal lobe. Gastral tergum 1 dorsally with two spots of pale pubescence disposed transversally 16. *Odontotilla* (subg. *Conjunctotilla*) (p. 39)
 6. Head rounded. Body smooth and shiny (unknown for me) 13. *Liomutilla* (p. 31)
 – Head more or less quadrangulate. Body punctured and sculptured 7
 7. Gastral tergum 2 laterad longitudinally swollen. Head width less than head length; head beneath concave with lateral longitudinal carina. Fore coxa apically with obtuse tubercle 17. *Platymyrmillia* (p. 39)
 – Gastral tergum 2 laterad not swollen. Head width more than head length; head beneath weakly convex without lateral longitudinal carina. Fore coxa apically without tubercle 8

8. Mesosoma not dentate posterad nor laterad (Fig. 77). Mandible more or less widened apically. Gastral tergum 1 posterad with band of pale pubescence; gastral tergum 2 posterad with band of pale pubescence shallowly widened medially; gastral tergum 3 with band of pale pubescence. Flagellomere 1 two times longer than flagellomere 2 14. *Myrmilla* (p. 31)

– Mesosoma usually dentate posterad and laterad, if not dentate at all posterad (*B. afghanica*), than gastral tergum 2 with large spot of pale pubescence on posterior margin and gastral tergum 3 with such but smaller spot. Mandible acuminate apically. Gastral tergum 1 posterad with medial spot of pale pubescence; gastral tergum 2 posterad with band of pale pubescence shallowly widened medially; gastral tergum 3 black. Flagellomere 1 one time and half longer than flagellomere 2 11. *Bischhoffitilla* gen. n. (p. 28, 126)

VI. Subfamily MUTILLINAE

KEY TO THE TRIBES

M a l e s

1. Tegulae long, protruded beyond the scuto-scutellar suture (Fig. 34), if much shorter, than eye notch is weak. Mandible without basal tooth or with rounded lobe beneath (Figs 28, 29). Gastral segment 1 more or less transversal **Mutillini**

– Tegulae usually not protruded beyond scuto-scutellar suture (Fig. 36). Usually mandible with basal tooth or basal lobe beneath (Figs 30, 31). Gastral segment 1 different shape, but not transversal 2

2. Forewing: distance between origin of RS on vein SC and base of stigmatic cell almost 2 times stigmatic cell length or more than 2 times first abscissa RS length (Fig. 35). Flagellomere 1 is 1.5–2.0 times shorter than flagellomere 2 (Figs 19–21) **Smicromyrmini**

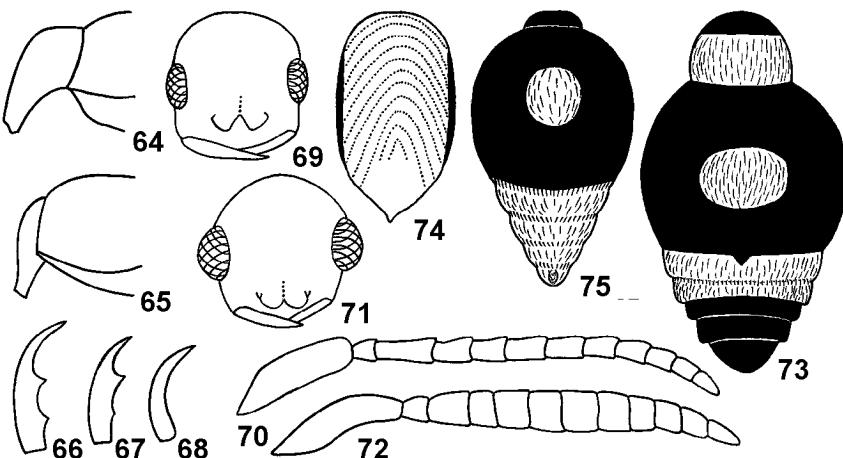
– Forewing: distance between origin of RS on vein SC and base of stigmatic cell more or less equal to stigmatic cell length or first abscissa RS length. Usually flagellomere 1 more or less equal to flagellomere 2 or longer than it (Fig. 25) 3

3. Penial valvae of genitalia symmetrical. Scutellum not gibbous, usually without median carina. Gastral sternum 8 (hypopygium) usually without a pair of strong lateral carinae **Petersenidiini**

– Penial valvae of genitalia more or less asymmetrical (Figs 80, 81). Scutellum gibbous, usually with median longitudinal carina or narrow smooth line. Gastral sternum 8 usually with a pair of strong lateral carinae **Trogaspidiini**

F e m a l e s

1. Gastral tergum 2 without basal spots of pale pubescence, if with two spots disposed transversally (genus *Macromyrme*), than head very large (almost the same width as gastral tergum 2), and gastral tergum 1 with medial spot of pale pubescence **Mutillini**



Figs 64-75. 64 – *Mutilla europaea*, ♀, gastral segment 1, lateral view; 65 – *Tropidotilla litoralis*, ♀, the same; 66 – *Pseudophotopsis brachytorax*, ♀, tarsal claw; 67 – *P. caspica*, ♂, the same; 68 – *Nemka viduata*, the same; 69, 70 – *Stenomutilla argentata*, ♀: 69 – head, 70 – antenna; 71-73 – *Orientilla vietnamica*, ♀: 71 – head, 72 – antenna, 73 – gaster; 74, 75 – *Nuristanilla kabakovi*, ♀: 74 – pygidial area, 75 – gaster. (From Lelej, 1985).

- Gastral tergum 2 usually with one, three or two basal pale spots disposed transversally, if without basal spots (*Promecilla*), than mesosoma remarkably converged posterad and approximately two times longer its width 2
- 2. Gastral tergum 2 with one or three basal spots of pale pubescence disposed transversally, rare with basal band of pale pubescence (some *Dentilla*), if without basal spots of pale pubescence (genus *Promecilla*), than mesosoma remarkably converged posterad and approximately two times as long as wide **Smicromyrmini**
- Gastral tergum 2 with two basal spots of pale pubescence disposed transversally 3
- 3. Mesosoma broadest in pronotum or pronotal and propodeal width equal. Pygidial area usually weakly developed **Petersenidiini**
- Mesosoma definitely broadest in propodeum. Pygidial area usually well developed **Trogaspidiini**

Tribe MUTILLINI
(except *Spinulotilla*)

M a l e s (unknown for *Macromyrme* and *Nanomyrme*)

- 1. Gastral terga 2 and 3 with band or spots of pale pubescence 2
- Gastral terga 2 and 3 without band or spots of pale pubescence, at most with fringe of pale setae on posterior margin 3

2. Band of pale pubescence on gastral tergum 2 with medial emargination or divided medially into two spots. Gastral terga with blue or violet lustre. Mandible tridentate 22. *Mutilla* (p. 42)

– Band of pale pubescence on gastral tergum 2 with two emargination or divided into three spots. Gastral terga without blue or violet lustre. Mandible bidentate 24. *Ronisia* (p. 45)

3. Gastral terga 4–6 with medial longitudinal carina. Gastral sternum 8 (hypopygium) with lateral basal tubercle and deep shining fovea surrounded laterally by tuft of setae. Flagellomere 2 more than two times longer than flagellomere 1 (Fig. 22) 20. *Ctenotilla* (p. 41)

– Gastral terga 4–6 without medial longitudinal carina. Gastral sternum 8 (hypopygium) with medial carina or tubercle. Flagellomere 2 slightly longer than flagellomere 1 (Fig. 18) 26. *Tropidotilla* (p. 48)

F e m a l e s

1. Gastral tergum 2 with two basal spots of pale pubescence disposed transversally. Head very large, almost the same width as gastral tergum 2 21. *Macromyrme* (p. 41)

– Gastral tergum 2 without basal spots of pale pubescence. Head width remarkably less than gastral tergum 2 2

2. Mesosoma dentate posterad. 20. *Ctenotilla* (p. 41)

– Mesosoma not dentate posterad. 3

3. Flagellomere 1 equal to pedicel length. Scutellar scale developed. Length of body no more than 4 mm 23. *Nanomyrme* (p. 45)

– Flagellomere 1 much longer than pedicel. Scutellar scale absent. Length of body 7–26 mm 4

4. Gastral segment 1 not transversal, without distinct dorsal and anterior surfaces (Fig. 65) 26. *Tropidotilla* (p. 48)

– Gastral segment 1 transversal, with distinct dorsal and anterior surfaces (Fig. 64) 5

5. Gastral tergum 6 without pygidial area. Band of pale pubescence on gastral tergum 2 with medial emargination or divided into two spots. Mandible tridentate 22. *Mutilla* (p. 42)

– Gastral tergum 6 with pygidial area. Band of pale pubescence on gastral tergum 2 with two emargination or divided into three spots. Mandible bidentate 24. *Ronisia* (p. 45)

Tribe SMICROMYRMINI

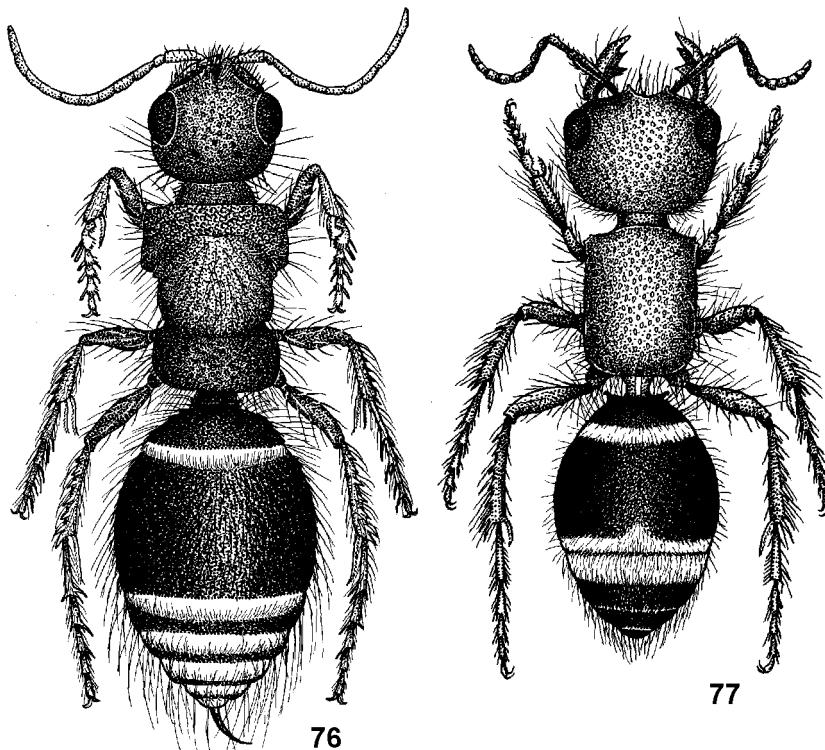
M a l e s (unknown for *Nuristanilla*)

1. Gastral sternum 2 with short lateral felt lines, sometimes reduced to a few small punctures (Fig. 60) 2

– Gastral sternum 2 without any trace of lateral felt lines (Fig. 61) 7

2. Mandible strongly widened to apex (Fig. 31) 28. *Dentilla* (p. 51)

– Mandible not widened to apex (Fig. 30) 3



Figs 76, 77. Females of Mutillidae. 76 – *Pseudophotopsis komarovii*, ♀; 77 – *Myrmilla caucasica*, ♀. (From Lelej, 1985).

- 3. Genital volsella with basal external lobe and long narrow cuspis; basivolsella with very long setae 4
- Genital volsella without basal external lobe and long narrow cuspis; basivolsella with short setae or without setae 6
- 4. Mandible bidentate at apex 30. *Mickelomyrme* (p. 54)
- Mandible tridentate at apex 5
- 5. Mesopleurae beneath with one or two pairs of precoxal denticles or tubercles. Gastral tergal bands of pale pubescence well developed 31. *Nemka* (p. 54)
- Mesopleurae beneath not tuberculate. Gastral tergal bands of pale pubescence weak 36. *Skorikovia* (p. 63)
- 6. Length of flagellomere 1 is 0.5–0.6 times of its maximal width, and 0.3–0.4 times of flagellomere 2. Tegulae protruding beyond scuto-scutellar suture for 1/5–1/4 of its length 35. *Sinotilla* (p. 63)

– Length of flagellomere 1 is equal to its maximal width, and 0.6 times of flagellomere 2 (as in Fig. 21). Tegulae not protruding or at most scarcely protruding beyond scuto-scutellar suture 37. *Smicromyrme* (p. 64)

7. Mandible strongly widened to apex, preapical inner teeth is equal to apical one or larger than it 8

– Mandible narrowed to apex, preapical inner teeth remarkably smaller than apical one 9

8. Mandible not excised beneath, without tooth or lobe near the base (Fig. 2). Flagellomere 1 is 0.7 times as long as its maximal width (Fig. 5) 27. *Andreimyrme* (p. 50)

– Mandible excised beneath, with large lobe near the base. Flagellomere 1 is 1.5–1.6 times as long as its maximal width (Fig. 19) 29. *Ephutomma* (p. 52)

9. Mandibular lobe near the base beneath rounded, mandible usually not excised beneath. Thickened basivolsellar setae remarkably not reaching the apex of gonostylus. At least basal gastral segments yellowish-red 34. *Promecilla* (p. 63)

– Mandible deeply excised beneath, with large tooth near the base. Thickened basivolsellar setae remarkably much protruding beyond the apex of gonostylus (in *scutellaris* species-group not longer than volsellar cuspis). Gaster black 33. *Physetopoda* (57)

F e m a l e s

1. Gastral tergum 6 convex, without distinct pygidial area, with glabrous shining area widened posterad, not carinated laterally 2
- Gastral tergum 6 with distinct pygidial area, carinated laterally, pygidial area longitudinally striate, granulous or with glabrous shining apical part (Fig. 74), or entirely glabrous, shiny 3
2. Scutellar scale absent. – Mesosoma remarkably convergent posterad and approximately two times as long as its width 34. *Promecilla* (p. 63)
- Scutellar scale weak, but distinct. – Gastral tergum 6 with glabrous shining medial part, sharply narrowed basally, basolaterally with tuft of dense pale setae 35. *Sinotilla* (p. 63)
3. Gastral tergum 2 with central yellowish cuticular spot, without spots of pale pubescence (Fig. 75) 32. *Nuristanilla* (p. 57)
- Gastral tergum 2 without pale cuticular spot, with one or three basal spots of pale pubescence, rare (some *Dentilla*) with basal band of pale pubescence 4
4. Scutellar scale absent. Mandible wide, tridentate apically (Fig. 7) 27. *Andreimyrme* (p. 50)
- Scutellar scale more or less developed. Mandible narrow acuminate, at most weakly bidentate apically 5
5. Pronotum with protruding humeral part, distinctly wider than propodeum 28. *Dentilla* (p. 51)
- Pronotum without protruding humeral part, usually narrower or at most scarcely wider than propodeum 6

6. Pygidial area narrowed basally and closed laterally, with long setae. Scutellar scale well developed, nail-like 33. *Physetopoda* (p. 57)

– Pygidial area with more or less parallel lateral sides or widened basally. Scutellar scale less developed 7

7. Minimal distance between eyes is 1.1–1.3 times more than longitudinal eye diameter. 29. *Ephutomma* (p. 52)

– Minimal distance between eyes is 1.6–1.8 times more than longitudinal eye diameter 8

8. Pygidial area short-oval 31. *Nemka* (p. 54)

– Pygidial area elongated, with parallel sides, or widened basally 9

9. Gastral tergum 2 with three basal spots of pale pubescence disposed in horizontal line and with at most median apical patch of pale pubescence. Scutellar scale more than 2 times as wide as long 30. *Mickelomyrme* (p. 54)

– Gastral tergum 2 with one basal medial spot of pale pubescence, if lateral pale spots present, than disposed behind of median one, and with apical band or fringe of pale pubescence. Scutellar scale usually slightly wider than its length 10

10. Basal medial spot of pale pubescence on gastral tergum 2 not enlarged: distance between spot and band of pale pubescence of tergum more than spot diameter 37. *Smicromyrme* (p. 64)

– Basal medial spot of pale pubescence on gastral tergum 2 enlarged, distance between spot and band of tergum equal to spot diameter or less than it 36. *Skorikovia* (p. 63)

Tribe Petersenidiini

M a l e s

1. Mandible excised beneath with large basal tooth. – Volsella of genitalia without paracuspis, at most with weak setose tubercle on the emargination between cuspis and digitus 39. *Orientidia* (p. 80)

– Mandible beneath without large basal tooth, or at most with small basal lobe 2

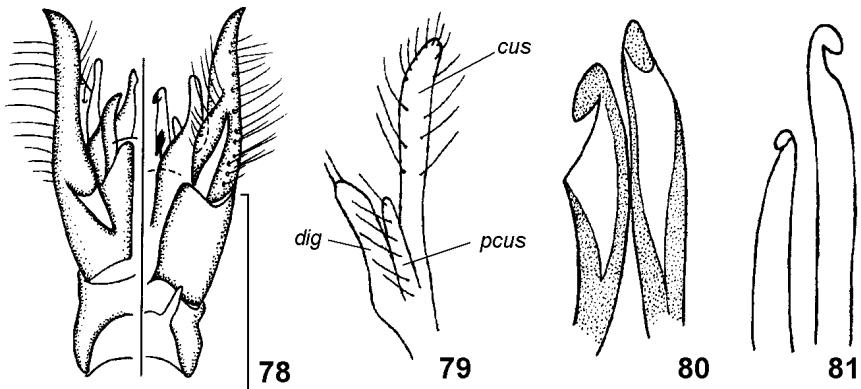
2. Antennal segment 1 beneath with one strong carina. Antennal segment 3 is 1.1 times as long as its apical width. Volsella cuspis very long, almost touching the gonostylus apex, with small paracuspis (as in Fig. 79). Tegulae long, protruding behind axillae 40. *Taiwanomyrme* (p. 81)

– Antennal segment 1 beneath bicarinate; antennal segment 3 more than 1.5 times as long as its apical width. Volsellar cuspis much shorter. Tegulae short, touching scuto-scutellar suture only 38. *Artiotilla* (p. 80)

F e m a l e s (except *Taiwanomyrme*)

1. Flagellomere 1 is 1.8 times as long as its maximal width, and 1.8 times longer than flagellomere 2. Anterior part of clypeus strongly bidentate 38. *Artiotilla* (p. 80)

– Flagellomere 1 as long as its maximal width or slightly shorter, and 1.1–1.3 times as long as flagellomere 2. Anterior part of clypeus not dentate 39. *Orientidia* (p. 80)



Figs 78-81. Male genitalia. 78 – *Bischoffitilla exilipunctata*, ventral aspect at right, dorsal at left (scale line = 1 mm); 79 – *Krombeinidia peterseni* Lelej, volsella (*cus* – cuspis, *dig* – digitus, *pcus* – paracuspis); 80 – *Protrogaspidia volatilis* (Smith), penial valvae, ventral aspect; 81 – *Nonveilleridia bataviana* (André), the same. (Fig. 78 from Lelej et al., 2001; 79-81 from Lelej, 1996c).

Tribe Trogaspidiini

M a l e s

1. Mandible not excised beneath, at most with weak basal tubercle. – Penial valvae strongly modified, left one (dorsal aspect) with two long hooks. Scutellum strongly conical 45. *Radoszkowskius* (p. 82)
- Mandible excised beneath, with large basal tooth or lobe 2
2. Scutellum slightly convex, without strong carina, at most with median smooth line. Volsella of genitalia without paracuspis 3
- Scutellum distinctly gibbous, with more or less defined median longitudinal carina. Volsella of genitalia with developed paracuspis (Fig. 79) 4
3. Scutellum with medial glabrous line. Volsellar cuspis narrow stick-like; penial valvae rather long, distinctly differ each other. 44. *Neotrogaspidia* (p. 82)
- Scutellum simple, punctured throughout. Volsellar cuspis wide foliaceous; penial valvae very short, weakly differ each other 42. *Glossotilla* (p. 81)
4. Inner border of mandible with basal denticle. Propodeum dorsally with lateral and sublateral longitudinal carinae. Volsellar paracuspis much longer than cuspis 43. *Lobotilla* (p. 81)
- Inner border of mandible without basal denticle. Propodeum dorsally without distinct lateral and sublateral longitudinal carinae. Volsellar paracuspis much shorter than cuspis (as in Fig. 79) 5
5. Hind coxae beneath conspicuously flattened, clothed with very short erect dense pale pubescence. Digitus small, stick-like. Antennal segment 3 more or less flattened 41. *Eotrogaspidia* (p. 81)

– Hind coxae beneath convex, clothed with sparse pale pubescence. Digitus more or less developed. Antennal segment 3 not flattened
..... 46. *Trogaspidia* (p. 83)

F e m a l e s

1. Pygidial area irregularly rugose throughout
..... 45. *Radoszkowskius* (p. 82)
- Pygidial area longitudinally striate or irregularly rugose in basal half and smooth, granulate or transversally striate apically 2
2. Inner margin of mandible with distinct basal denticle
..... 42. *Glossotilla* (p. 81)
- Inner margin of mandible without distinct basal denticle, at most with indefinite tubercle 3
3. Gastral sternum 6 laterad with subapical lobe except apical one
..... 43. *Lobotilla* (p. 81)
- Gastral sternum 6 laterad with apical lobe only 4
4. Pygidial area longitudinally striate, at most apical part microgranulate or smooth 46. *Trogaspidia* (p. 83)
- Pygidial area irregularly rugose in basal half and smooth apically 5
5. Gastral tergum 2 with large spots of pale pubescence: the distance between spots is 0.3 times of spot diameter 41. *Eotrogaspidia* (p. 81)
- Gastral sternum 2 with small or feebly visible spots of pale pubescence: the distance between spots is 1.0–2.0 times of spot diameters
..... 44. *Neotrogaspidia* (p. 82)

VIII. Subfamily DASYLABRINAE

M a l e s

1. Eyes enlarged, remarkably protruding of head outline (Fig. 11). Tegulae very small (Fig. 32), not punctured; body pale-colored. – Nocturnal
..... 52. *Tricholabioides* (p. 104)
- Eyes usual not (or scarcely) protruding of head outline (Fig. 10). Tegulae larger (Fig. 33), punctured, at least inside; body dark-colored 2
2. Felt lines disposed on gastral tergum 2 and gastral sternum 2. Head with strong longitudinal carina between antennal tubercles. Gastral sternum 6 with two medial closed tubercles 49. *Jaxartilla* (p. 100)
- Felt lines disposed on gastral tergum 2 or gastral sternum 2 (Figs 62, 63). Head without strong longitudinal carina between antennal tubercles. Gastral sternum 6 without two medial closed tubercles 3
3. Felt lines disposed on gastral tergum 2 (Fig. 62) 48. *Dasylabris* (p. 87)
- Felt lines disposed on gastral sternum 2 (Fig. 63) 4
4. Scutellum with lateral carinae. Leg spurs whitish or yellowish. Gonostyli with short inner setae 50. *Orientilla* (p. 101)
- Scutellum without lateral carinae. Leg spurs black. Gonostyli with long inner setae 51. *Stenomutilla* (p. 101)

F e m a l e s (unknown for *Jaxartilla*)

1. Felt lines disposed on gastral sternum 2 (as in Fig. 63) 2
- Felt lines disposed on gastral tergum 2 (as in Fig. 62) 3
2. Eyes scarcely protruding of head outline (Fig. 69). Flagellomeres longer than its width (Fig. 71) 51. *Stenomutilla* (p. 101)
- Eyes remarkably protruding of head outline (Fig. 71). Flagellomeres shorter than its width (Fig. 72) 50. *Orientilla* (p. 101)
3. Gastral segment 1 constricted posterad (Fig. 56). Frons anterad without medial process 48. *Dasylabris* (p. 87)
- Gastral segment 1 not constricted posterad. Frons anterad with medial process 52. *Tricholabiodes* (p. 104)

IX. Subfamily EPHUTINAE

Tribe ODONTOMUTILLINI

M a l e s

1. Propodeum with postero-lateral angles angulate or produced into a prominent tooth. Length of body: 10–16 mm 53. *Odontomutilla* (p. 106)
- Propodeum with postero-lateral angles rounded. Length of body: 6.3–9.3 mm 54. *Yamanetilla* (p. 106)

F e m a l e s

1. Gastral tergum 2 with large deep antero-lateral pubescent fovea. Length of body: 8–18 mm 53. *Odontomutilla* (p. 106)
- Gastral tergum 2 without antero-lateral pubescent fovea. Length of body: 6–7.2 mm 54. *Yamanetilla* (p. 106)

DESCRIPTION OF A NEW GENUS

11. Genus *Bischoffitilla* Lelej, gen. n.

Type species: *Squamulotilla exilipunctata* Chen, 1957.

DIAGNOSIS. M a l e. Mandible not widened apically, inner border with two small preapical denticles and larger basal one. Length of flagellomere 1 almost equal to flagellomere 2. Gastral sternum 2 usually with highly elevated median carina. Gastral sternum 8 (hypopygium) not membranous laterally, with medial carina (tubercl) or lateral carinae (tubercles). Genitalia – Fig. 78.

F e m a l e. Mesosoma abruptly sloping posteriorly, upper margin usually serrate or dentate, rarely with only an acute median tubercle, or if not dentate at all (*B. afghanica*), than gastral tergum 2 with large spot of pale pubescence on posterior margin and gastral tergum 3 with such but smaller medial spot. Smooth shiny medial part of gastral tergum 6 not touch the base (tergum densely punctured laterally and basally), nor carinated laterally, covered by pale setae. Gastral

tergum 1 posterad with medial spot of pale pubescence; gastral tergum 2 posterad with band of pale pubescence shallowly widened medially; gastral tergum 3 black.

SPECIES INCLUDED. Besides the type species which is known in both sexes I include in this genus six Palaearctic species (see p. 28), and 61 Oriental species (all are **new combinations**): *Bischoffitilla acasta* (Cameron, 1902), *B. aesyca* (Cameron, 1902), *B. arundinacea* (Pagden, 1934), *B. aspera* (Cameron, 1900), *B. aversa* (Nurse, 1903), *B. brachynota* (Chen, 1957), *B. byblis* (Mickel, 1934), *B. calliopeia* (Mickel, 1935), *B. cardea* (Mickel 1935), *B. carinulifera* (André, 1908), *B. clypealis* (Mickel, 1935), *B. concava* (Mickel, 1934), *B. denticollis* (Motschulsky, 1863), *B. deserta* (Smith, 1879), *B. dictynna* (Mickel, 1934), *B. disjuncta* (Mickel, 1934), *B. duplisquamata* (Chen, 1957), *B. eminula* (Mickel, 1934), *B. erdae* (Zavattari, 1913), *B. ernesti* (Cameron, 1898), *B. facilis* (Smith, 1860), *B. formosana* (Zavattari, 1913), *B. fucosa* (Mickel, 1934), *B. galatea* (Mickel, 1934), *B. imparilis* (Mickel, 1934), *B. indecora* (Cameron, 1898), *B. indocila* (Cameron, 1900), *B. kohli* (Magretti, 1892), *B. koxiana* (Chen, 1957), *B. lamellata* (Mickel, 1933), *B. lethargia* (Cameron, 1900), *B. lunariifasciata* (André, 1894), *B. malica* (Zavattari, 1913), *B. mammalifera* (Chen, 1957), *B. maximinae* (Magretti, 1892), *B. mickeli* (Chen, 1957), *B. muiri* (Mickel, 1935), *B. multidentata* (André, 1897), *B. oblectabilis* (Mickel, 1934), *B. ocypote* (Mickel, 1934), *B. opipara* (Zavattari, 1913), *B. palaca* (Cameron, 1902), *B. perakensis* (Pagden, 1934), *B. persuasa* (Cameron, 1900), *B. perversa* (Cameron, 1897), *B. puerilis* (Cameron, 1897), *B. roxane* (Mickel, 1934), *B. saffica* (Zavattari, 1913), *B. sauteri lingnani* (Mickel, 1933), *B. s. sauteri* (Zavattari, 1913), *B. selangorensis* (Pagden, 1934), *B. serratula* (Cameron, 1892), *B. subdebilis* (Mickel, 1934), *B. subtriangularis* (Mickel, 1934), *B. sulpicilla* (Mickel, 1934), *B. teuta vicinaria* (Mickel, 1934), *B. t. teuta* (Mickel, 1934), *B. trifida* (Chen, 1957), *B. trituberculata* (Mickel, 1933), *B. tuberosterna* (Chen, 1957), *B. tumidula* (Mickel, 1933), *B. umbrosa* (Mickel, 1934), *B. venatrix* (Mickel, 1935).

DISCUSSION. The genus *Squamulotilla* Bischoff, 1920 (type species *Squamulotilla denticollis* Bischoff, 1920, male, North Cameroon, Nigeria) includes seven Afrotropical species which are known from males only. True females of *Squamulotilla* are probably described in the Afrotropical genus *Clinotilla* Arnold, 1956 (males still unknown) (Nonveiller, 1995b). True males of *Squamulotilla* (type species examined) belongs to quite distinct group of Myrmillinae which has forewing with three radio-medial cells (see key above, p. 116). I propose here the Palaearctic and Oriental species of *Squamulotilla* replace to the new genus *Bischoffitilla*. The differences of new genus from related ones are given in the key above.

ETYMOLOGY. The name of this genus dedicated to Hans Bischoff, who described many mutillid genera from Africa including confusing *Squamulotilla*.

SUMMARY
NEW TAXONOMIC CHANGES

New genus

Bischoffitilla Lelej, **gen. n.** (type species: *Squamulotilla exilipunctata* Chen, 1957).

New name

Myrmotilla lucasiella Lelej, **nom. n.** for *Mutilla lucasi* Sichel et Rafoszkowski, 1870.

New combinations

Bischoffitilla acasta (Cameron, 1902), **comb. n.** (*Mutilla*).
Bischoffitilla aesyca (Cameron, 1902), **comb. n.** (*Mutilla*).
Bischoffitilla afghanica (Lelej, 1980), **comb. n.** (*Myrmilla*).
Bischoffitilla ardescens (Smith, 1873), **comb. n.** (*Mutilla*).
Bischoffitilla arundinacea (Pagden, 1934), **comb. n.** (*Squamulotilla*).
Bischoffitilla aspera (Cameron, 1900), **comb. n.** (*Mutilla*).
Bischoffitilla aversa (Nurse, 1903), **comb. n.** (*Mutilla*).
Bischoffitilla bidentata (Tsuneki, 1972), **comb. n.** (*Squamulotilla*).
Bischoffitilla brachynota (Chen, 1957), **comb. n.** (*Squamulotilla*).
Bischoffitilla byblis (Mickel, 1934), **comb. n.** (*Squamulotilla*).
Bischoffitilla calliopeia (Mickel, 1935), **comb. n.** (*Squamulotilla*).
Bischoffitilla cardea (Mickel 1935), **comb. n.** (*Squamulotilla*).
Bischoffitilla carinulifera (André, 1908), **comb. n.** (*Mutilla*).
Bischoffitilla clypealis (Mickel, 1935), **comb. n.** (*Squamulotilla*).
Bischoffitilla concava (Mickel, 1934), **comb. n.** (*Squamulotilla*).
Bischoffitilla denticollis (Motschulsky, 1863), **comb. n.** (*Mutilla*).
Bischoffitilla deserta (Smith, 1879), **comb. n.** (*Mutilla*).
Bischoffitilla dictynna (Mickel, 1934), **comb. n.** (*Squamulotilla*).
Bischoffitilla disjuncta (Mickel, 1934), **comb. n.** (*Squamulotilla*).
Bischoffitilla duplisquamata (Chen, 1957), **comb. n.** (*Squamulotilla*).
Bischoffitilla eminula (Mickel, 1934), **comb. n.** (*Squamulotilla*).
Bischoffitilla erdae (Zavattari, 1913), **comb. n.** (*Mutilla*).
Bischoffitilla ernesti (Cameron, 1898), **comb. n.** (*Mutilla*).
Bischoffitilla exilipunctata (Chen, 1957), **comb. n.** (*Squamulotilla*).
Bischoffitilla facilis (Smith, 1860), **comb. n.** (*Mutilla*).
Bischoffitilla formosana (Zavattari, 1913), **comb. n.** (*Myrmilla*).
Bischoffitilla fucosa (Mickel, 1934), **comb. n.** (*Squamulotilla*).
Bischoffitilla galatea (Mickel, 1934), **comb. n.** (*Squamulotilla*).
Bischoffitilla imparilis (Mickel, 1934), **comb. n.** (*Squamulotilla*).

Bischoffitilla indecora (Cameron, 1898), **comb. n.** (*Mutilla*).
Bischoffitilla indocila (Cameron, 1900), **comb. n.** (*Mutilla*).
Bischoffitilla kohli (Magretti, 1892), **comb. n.** (*Mutilla*).
Bischoffitilla koxiana (Chen, 1957), **comb. n.** (*Squamulotilla*).
Bischoffitilla lamellata (Mickel, 1933), **comb. n.** (*Squamulotilla*).
Bischoffitilla lethargia (Cameron, 1900), **comb. n.** (*Mutilla*).
Bischoffitilla lunarisfasciata (André, 1894), **comb. n.** (*Mutilla*).
Bischoffitilla malica (Zavattari, 1913), **comb. n.** (*Mutilla*).
Bischoffitilla mammalifera (Chen, 1957), **comb. n.** (*Squamulotilla*).
Bischoffitilla maximinae (Magretti, 1892), **comb. n.** (*Mutilla*).
Bischoffitilla mickeli (Chen, 1957), **comb. n.** (*Squamulotilla*).
Bischoffitilla muiri (Mickel, 1935), **comb. n.** (*Squamulotilla*).
Bischoffitilla multidentata (André, 1897), **comb. n.** (*Mutilla*).
Bischoffitilla oblectabilis (Mickel, 1934), **comb. n.** (*Squamulotilla*).
Bischoffitilla ocypote (Mickel, 1934), **comb. n.** (*Squamulotilla*).
Bischoffitilla opipara (Zavattari, 1913), **comb. n.** (*Mutilla*).
Bischoffitilla palaca (Cameron, 1902), **comb. n.** (*Mutilla*).
Bischoffitilla perakensis (Pagden, 1934), **comb. n.** (*Squamulotilla*).
Bischoffitilla persuasa (Cameron, 1900), **comb. n.** (*Mutilla*).
Bischoffitilla perversa (Cameron, 1897), **comb. n.** (*Mutilla*).
Bischoffitilla puerilis (Cameron, 1897), **comb. n.** (*Mutilla*).
Bischoffitilla pungens (Smith, 1873), **comb. n.** (*Mutilla*).
Bischoffitilla roxane (Mickel, 1934), **comb. n.** (*Squamulotilla*).
Bischoffitilla saffica (Zavattari, 1913), **comb. n.** (*Mutilla*).
Bischoffitilla sauteri lingnani (Mickel, 1933), **comb. n.** (*Squamulotilla*).
Bischoffitilla sauteri sauteri (Zavattari, 1913), **comb. n.** (*Mutilla*).
Bischoffitilla selangorensis (Pagden, 1934), **comb. n.** (*Squamulotilla*).
Bischoffitilla serratula (Cameron, 1892), **comb. n.** (*Mutilla*).
Bischoffitilla strangulata (Smith, 1879), **comb. n.** (*Mutilla*).
Bischoffitilla subdebilis (Mickel, 1934), **comb. n.** (*Squamulotilla*).
Bischoffitilla subtriangularis (Mickel, 1934), **comb. n.** (*Squamulotilla*).
Bischoffitilla sulpicilla (Mickel, 1934), **comb. n.** (*Squamulotilla*).
Bischoffitilla teuta teuta (Mickel, 1934), **comb. n.** (*Squamulotilla*).
Bischoffitilla teuta vicinaria (Mickel, 1934), **comb. n.** (*Squamulotilla*).
Bischoffitilla trifida (Chen, 1957), **comb. n.** (*Squamulotilla*).
Bischoffitilla trituberculata (Mickel, 1933), **comb. n.** (*Squamulotilla*).
Bischoffitilla tuberosterna (Chen, 1957), **comb. n.** (*Squamulotilla*).
Bischoffitilla tumidula (Mickel, 1933), **comb. n.** (*Squamulotilla*).
Bischoffitilla umbrosa (Mickel, 1934), **comb. n.** (*Squamulotilla*).
Bischoffitilla unidentata (Tsuneki, 1972), **comb. n.** (*Squamulotilla*).
Bischoffitilla venatrix (Mickel, 1935), **comb. n.** (*Squamulotilla*).

Lectotype designation

Myrmilla anopla Skorikov, 1935.
Myrmilla praetermissa Skorikov, 1935.
Smicromyrme viduata var. *andalusiana* Skorikov, 1935.
Dasylabris mauropsis var. *canonota* Skorikov, 1935.
Dasylabris exarenaria var. *algira* Skorikov, 1935.

New synonymy

Myrmosa atra Panzer, 1801 = *Myrmosa melanocephala* f. *rufomaculata* Hoffer, 1938, **syn. n.**
Pseudophotopsis caucasica (Radoszkowski, 1885) = *Mutilla caucasicola* Dalla Torre, 1897, **syn. n.**
Myrmilla calva (Villers, 1789) = *Myrmilla calva* var. *andalusiana* Skorikov, 1935, **syn. n.**; = *M. calva* f. *seminigra* Hoffer, 1938, **syn. n.**; = *M. calva* f. *perparvula* Invrea, 1958, **syn. n.**
Mutilla europaea Linnaeus, 1758 = *Mutilla europaea* f. *rufula* Hoffer, 1938, **syn. n.**; = *M. europaea* f. *nigrescens* Hoffer, 1938, **syn. n.**; = *M. europaea* f. *ruficeps* Hoffer, 1938, **syn. n.**
Nemka viduata bartholomaei (Radoszkowski, 1865) = *Mutilla bareyi* Radoszkowski, 1893, **syn. n.**
Physetopoda daghestanica (Radoszkowski, 1885) = *Smicromyrme montana* f. *moravica* Hoffer, 1936, **syn. n.**; = *S. variabilis* f. *maculata* Hoffer, 1938, **syn. n.**; = *S. variabilis* f. *lineata* Hoffer, 1938, **syn. n.**; = *S. variabilis* f. *obenbergeri* Hoffer, 1938, **syn. n.**
Physetopoda halensis (Fabricius, 1787) = *Smicromyrme montana* f. *susterai* Hoffer, 1936, **syn. n.**
Physetopoda oratoria (Chen, 1957) = *Smicromyrme oratoria vaticina* Chen, 1957, **syn. n.**; = *S. oratoria miscisis* Chen, 1957, **syn. n.**; = *Glossotilla rectangulata* Chen, 1957, **syn. n.**; = *S. eoa* Lelej, 1977, **syn. n.**
Physetopoda scutellaris (Latreille, 1792) = *Smicromyrme subcomata* f. *nigricollis* Hoffer, 1936, **syn. n.**
Skorikovia elongata (Radoszkowski, 1885) = *Mutilla elongata* var. *pura* André, 1901, **syn. n.**
Smicromyrme lewisi Mickel, 1935 = *Smicromyrme momidziyama* Tsuneki, 1972, **syn. n.**
Smicromyrme rufipes (Fabricius, 1787) = *Smicromyrme rufipe* f. *zavadili* Hoffer, 1938, **syn. n.**; = *S. rufipes* f. *lidmilae* Hoffer, 1938, **syn. n.**
Smicromyrme lybica Invrea, 1932 = *Smicromyrme libyca* Invrea, 1953, **syn. n.**
Smicromyrme nigriceps Nonveiller, 1959 = *S. orientalis* var. *maculata* Nonveiller, 1959, **syn. n.**
Smicromyrme castrensis Invrea, 1954 = *Mutilla crassicornis* Maidl, 1922, **syn. n.**

Dasylabris bucharensis Skorikov, 1935 = *Dasylabris exarenaria* var. *algira* Skorikov, 1935, **syn. n.**

Dasylabris juxtarenaria Skorikov, 1935 = *Dasylabris atrataria* Petersen, 1988, **syn. n.**

Dasylabris lybica Invrea, 1940 = *Dasylabris libyca* Invrea, 1953, **syn. n.**

Dasylabris maura (Linnaeus, 1758) = *Dasylabris maura* f. *nigrociliata* Hoffer, 1938, **syn. n.**

Dasylabris siberica (Christ, 1791) = *Mutilla maura* var. *quadripunctata* Sichel et Radoszkowski, 1870, **syn. n.**; = *Dasylabris siberica* var. *insignata* Skorikov, 1935, **syn. n.**; = *D. siberica* var. *incompleta* Skorikov, 1935, **syn. n.**

Dasylabris paupertina Skorikov, 1935 = *Dasylabris ornata* var. *ditescens* Skorikov, 1935, **syn. n.**

Dasylabris regalis (Fabricius, 1793) = *Dasylabris italicica* f. *slovaca* Hoffer, 1938, **syn. n.**; = *D. italicica* f. *batai* Hoffer, 1938, **syn. n.**

Dasylabris stenothoracica Skorikov, 1935 = *Dasylabris stenothoracica* var. *paupera* Skorikov, 1935, **syn. n.**; = *D. stenothoracica* var. *nigrifica* Skorikov, 1935, **syn. n.**; = *D. stenothoracica* var. *argentata* Skorikov, 1935, **syn. n.**

Stenomutilla argentata (Villers, 1789) = *Stenomutilla argentata* var. *saundersi* Ferton, 1921, **syn. n.**

Stenomutilla bizonata (Smith, 1956) = *Stenomutilla shelkovnikovi* Skorikov, 1935, **syn. n.**

PALAEARCTIC SPECIES DESCRIBED OUTSIDE OF PALAEARCTIC REGION

Mutilla robusta Smith, 1855 "Hew Holland" actually is *Ronisia brutia* (Petagna, 1787) (Europe).

Physetopoda insularis Schuster, 1949 "Haiti" actually is *Physetopoda rubrocincta* (Lucas, 1849) (Europe).

SPECIES ERRONEOUSLY DESCRIBED FROM PALAEARCTIC REGION

Mutilla caucasica Radoszkowski, 1865 "Caucasus" actually is a synonym of *Bothriomutilla ruginollis* (Westwood, 1843) (Australia).

Mutilla kuschakewitzi Radoszkowski, 1888 "Wernoje" (Kazakhstan) actually is a synonym of *Trogaspidia nigra* (Smith, 1858) (Papua New Guinea).

Mutilla castellana Mercet, 1903 "Madrid" actually is *Trogaspidia castellana* (Mercet, 1903) (Philippines).

Mutilla aureomaculata Sichel et Radoszkowski, 1870 "Crimea" (Ukraine) actually is a synonym of *Dasylabris merope* (Smith, 1855) (Africa).

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Аркадий Степанович Лелей

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ПАЛЕАРКТИЧЕСКОЙ ОБЛАСТИ

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